ARANTAPHA TEOMETRIA TITEO A TPOCTOPY

Control of Activities

MATEMATHYKOF HICTHTYTA

atonimusta Econempuja y apomopy.

Tpegabana Je Mus. Newpobuta, upop. Ynubepsuseus (gotyberta upunepuna).

<u>Yloog</u>

Bugenu and ga ce y poblitu to notaj jugik tivistre motre tiotatighto ogpegution and the tiotag goa opoja tioshation to adjum ag the glos opoja tioshation to adjum opegitoatuma u shauzuma, tionotaj tion te je je tiotaj tion ogpebet. Tiu ce opojebu soby teopojuhationa tiotrite y pablitu u notab teom etipujutu amucad sabucu og usopo itoopautatitita cucitema, teojux uma bevima Mitrio.

Ha chuzant ce itarun taonomaj taarire y tipocitiopy monce taotatysto ogpeguitu taomohy tipu opoja iropa ce soby iroopganatiama taarire, ruju teometipajaru chucao taonrohe sabucu og usoopa iroopannatitur cucatema taarbux cucatema monce olutu oecironorito MITUTO, a og week ce Hajzemhe yttoupedryjy upoboytnu u unapitu icoopgustouitte cuciem.

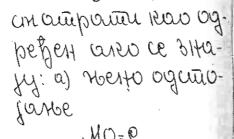
1º Upaboyine Roopgunamine cuciem. Banuchumo apu jegity Ha gpy Ty yapabite pabitu; one he ce your

cehu ao apuna mely woom 4apablum apabama: Ox, oy u or. aunoskaj jegite Torrier My upo-

cayan yapabita ita paban xoy aia ce us werk apojerzywie P cayuan yapabita Pt 14a apaby ox Marga je aproskaj mar 120 Mogpehen apuma gypkunama

Od=x 9t=y M9=x anu reas unto y pabitu ituje aonoskaj marke gubonito ogpetjen camum beggiticommo reopportation x my infarence je chyraj u y apocaopy. Sa charry tpyty opeignoun (x,y,x) accompany ou ocam an raise of reofe they trythe ogtobapajy ga ou ce vivienviture una tevapepertour y chojerto je, reas i y prabitu, grace resopcoupy, rang cy ber gustamama x, y u x apugajy stanut Topise upu publitu u -, a sa come une stranze y chojerto je yalophere, monte ce maraparan vas ogpe apolono contetto ortome y palità: Qy-Bet and ce stagy og carojana aarne M Hente & anaapajy ce mos to smallite og taux tapujų pab areo cy ca gente apparte tas setties O, a Hu tha ogenioja- 1200 Hetaniubite areo cy as nebe amparte no y ocaanom mo og aoseania O; gyskuik y cy aosuaub Ty ce godinar a He are ay harpey to zenter O, a Hera Ha taaj Harun are taubite areo cy waa toretaka O ; ita toce us marire il creativy gyskuite & conompayy ce iras asзитивне или неготивне прета тоже да ли су изнад или истод тогетка в. усвојивши то правиль ознацима тома пожај такое је потацию одређен прима гоординатама х, у их. Праве вх, вавни хоу, хох и уох називану се гоординатним равнима; такое в се назива гоординатни почетка в се назива гоординатни точетах.

2º <u>Nonapitu cuciñem</u> Iterea cy vien gane inpu jegita ita gryty gripas ite pasitu Nonozaj inazire M moze ce



MO=9 (avuei) og varneel, e) year y resputpagu palom MO2 ca

palotu xox; c) you o respi tragu avaret g ca apalam or. Avaret g consumps ce yeer

Haw worthe peanth of up mory umain the morghe peanth operations
can came so new to yber withpedito yworking to so he um ce sharp parytham. The pe yielphyloance shareled apousborto, and reag to feghom y aventy
parytha yobejette sa new teghte apabure,
one mopa baskuttu y twory yener parytha. Ware H. up mory ce yindou o i y
champatu teae to sutuabitu are cy gobujettu ospitanoen apabe on u or y apab
yy cupenuya.

Upequialmane iohnulta Domony jeghoruha.

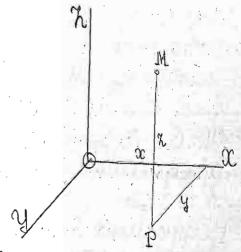
34 and go y pabitu jugity jevjitazutu

F(x,y)=0

ogtobapa in jegita nultuja za vojy je HUR! Marzo je ybeputan ce ga y apoctao- Hazurta by feathal featharinter

1(x,y,x)=0 ogiobapa y oumie us jegita urbpiunta 30 120/1/ le ma ledHormha amamminum apeigatabitus. Marso, ano yorumo jegjegity apousboomy aroney 3, as us we Transe guilterno jupabity MP go we-Itor apecera ca arbpulatom, gyytanta MP orelygito Hehe duin apourbornita

beh ogpehena. to 3Haru ga charron Tapy (xy) ogrobapa ogpehenn bpeg-140 ca 2, mais ao-Rusyje ga usmety x, y ux mopa toarojami Bianba be-



sa , a reag du ce una besa uspersuma arra. numerica, umanu ou usbecty fegharusty

oba jenjharusta anonumierre apeganab U ospanisto: areo je y itaapeg gana jeg

f(x,y,x)=0 wa fy samuchumb pewerty as fegity 180opgustame II ap. 2 ta areo ga je $\chi = \varphi(x,y)$

Ortga Charton appoissonto yseaton trapy thy ma rearrely turbpulling in it patitu 204 spegitocian (x,y) ogtobapa us the jegitaruste usbecità opeigitocià à irvja buine Huje upousborner, apyrum peruma: charom adpy opegitown (x,y) ogtobapa y apocaropy married to goema decrevitarità

Tobapahe y apocatopy viarethe gle Sour- Hux viaraner y RE TROPIE M. TEUMETEPUJORU MECTE TRUIR TPUCTAUPY 120je Ubux marcarea Suhe usbecrta aubpurusta mayy ucing aricyu Wasu wopmenta Suna Teomempujaru ay y upomopy a. Tipegatiabiture jugitaruste Marelo Teometipujf(x,y,x)=0

jergitarusta du duha ananuturren aperg-1140 ituje itumaa gpy. consoliture une aubpuille.

be runige sabucu og apupoge jegharu- a, og obe flystarinta He revior juj ogrobospa, wares y apocuropy apupoga tubpiquite sabucu og jegita- aperjetiaborana ou garene cienta og itereomi ruste revja juj ogtubapa. Yuzumu Herens Iko marebux pabitu. ruseo apientina enyzajela:

10 apeniarabilino que jegita ou jegitarinta anta carabaki camo sentry revolutramy or u Herea je H. ap.

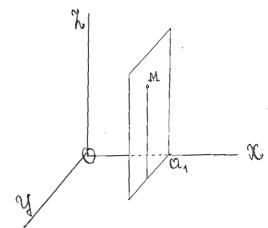
Persensen jegitarunte to a umaru ou x=a, x=a2 ··

Jegnarunta

X= Q1

Juaneum transcama (x,y) y pabril 207 og- suna su termetipujaro mentir chujy o-

1000 mectro orelong-



Rav mais y pasitu odnuk reputapanenita pasitu yoz a Ita pantaojanog

Ifa ución ce Harun naño youlia ga

aperguiabbana jugity unu bume pabitu Trapanentus pabitu 20%; ita aveneutry fly Hazusta

4(2)=0

apegatialmana ou jegity une buie pab Hu apparentus palitu soy we public

moty duan caecapite una yosparkente. 2º Uperitocatabumo ya jegitaente inplimente and boken cours de 150.

opgustance It ap x u y u Herea je tuo

homas à moi redussant le charteme & the 3Harr of a ma reconuse ours & feig-He thanks M Ha Handboj tobpuller, us. Mehy outanux goejy zoopiguhana toanoju yber ogthic

to voirasyre ga ce che vanne M vanbe

by rustific ruja je jegitazuita 1(x,y)=0

т.ј. постатрана ј простору. The must ste must

ske garre buien Humina gryto go usbec-

ta yunungapara tubpuunta ruje cy tereparapuse aupanente Ocolum Or.

Mares Bu_ucio rares yougenu

ha on transmita

9(2/2)=0

pregunaboana whenty yunungapary tubpenny ruje cy Tertepatipuce acopa-Levite ocobustu OY, a Rója ce y pabitu por upojeremyje uo repuboj d (xx)=0

ta wornewity jegitazuita 4 (y, 2) =0

Tubpiunte apojeis- pregatiabriana du usbecrty yunutgapmyjy y powitu xvy ney autopunity ruje cy terteparapuce an Ha jegity until parenté oublisse vx u resja ce y palitu yor apojeranje aonumuju

y cryrajy Ray JegHarusta Termentiphycres means lagpore che tipu resopgunante, orta momarebux mararea M ke apeganabrami ma rareby autopully

<u>upequialobane surluja</u> y ūpocūopy.

Obe abpuille y apocatory y conquire ce certy as nutuju, a obpositio charea ce rutuja monte amoutipature consu cy serve gante goe jegharuste

f(x,y,x)=0 f(x,y,x)=0

og trojux charra ogtobapa av fegtry to bruutu, otte trytte bregtroumi (x,y,2) troje y ucus goda zargvoonabajy tie fegtraruste trputagahe ottoj trpuboj nutruju to trojoj ce tie goe tubruuste cery. Tia je garene nutuja geoputucatra toproum goema jegtrarustama

Huje y apoatopy avapeone cy goe jegna

the optologies to fight topulary tighter in the optologies to fight topular y tipotiopy the repulser y tipoettopy monte of the carbon unu gooperteette unu ce checter the tipologies mutury unu the fighty tiportey.

<u>Thanchopmanuia</u> <u>Roopgunatia</u>

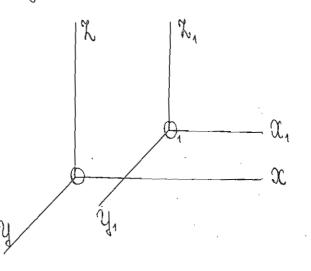
Gemana ce da dimosal feditas series in basalita ita cina ce da dimosal feditas series di cine na ci dintantita camena ca isolam ce domine basalita in sandaman mbancapapina participalina participalina ca imparticipalina ca in participalina isola ce mais emine a compania in periori in periori

1º Upomerta aozenira.

प्रधारण क्रिक्मा क्रिक्स क्ष्मिक क्ष्

· O, a ga je apabay ocobusta oction util.

Ozharumo ca x,
y,, x, 1200pgunta
tue ucine tinornèe
y 14060m cucinemy, ca a, b u c
1200pguntanie toretirea 14060è cucui ema tipema y
cui apom. Ore-



bugito je us cruse que he usmeby comopux u itobux revopique anta to conjuntion ogitoca:

> x=x,+a y=y,+6 x=x,+c

г. Промена правина осовина.

Themioumabumo ga cmo zagpzkabum tozemar O obpitynu za uzbecinah yian yen inopyuhamitu cucinem orn marre O anu maren ya oh y hrobm tonojkajy Syge vieta tipaboyinu. Ozitarumo ca: d, p, y rescurryce yenvoa reste tromera g Ha arapy ocoburry Ox Suhe x.

Oy u Oh; wa d, pau & rescurge you. ba 1804 Tpage. 1460 ocobusta by a calapun ox, oy uoz; u ca d, B, Y, 120 aunyce ginuba Ruje tpaga Huba va-

busta OT as unapum ox, oy yor. Pacio per obuse ocobusta buque e itaj some us

ibe madruye:

	OX	OA	OZ
$\overline{\mathcal{O}x'}$	d	6	*
OU'	٧,	B,	8,
02	q^{i}	3"	<i>y</i> "

Bayaniar upancipopmayuje couque le Ha tho gra ce thomony 2,4,2 waprarytta a, y, ut, u ospatito. Yozumo taur-Ry il rugu trottet Herra je g. Tipojerenjuja

Opergu 1400a ocubusta OI cia unicipum OI, Megyninum quo ucine apojerenjuje morkemo quhu tha maj thanus comampajyhu je reav 3 Sup apojeruja Hobur recopgunama x, y, it ita ocobusty ox. [Tostato apabu no apenia pome je apojerujuja jegite gy. ofcuste ita ma ieojuj ocubilistu pabita solupij apojereguja metiux resmuontenouura Ha ucui oj ocubultu.] Oppyrum peruma apojevy. $(OM)_x = apoj. (X_1)_x + apoj. (Y_1)_x + apoj. (X_1)_x$

Kares je

upojery.
$$(OM)_{x}=x$$
 $(X_1)_{x}=dX_1$
 $(Y_1)_{x}=d_1Y_1$
 $(X_1)_{x}=d_1X_1$

tus je

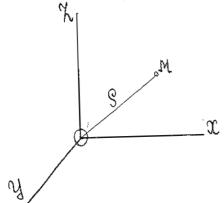
x= &x, +d, y, +d, x, Upojeranyjyhu samum iciny gyzecuty g Ha ciapy outury Oy goonja ce jegharinta y= Ban+ B, yn + B. 2,

Ita werewiey apojerajyjyhu wany gypunty 3 Ha wapy verbuity of guduja ce x= /x+ /, y, + /, x,

Ha waj Haruh umamo cucien og ipu jegitarinte

x= dx, +d, y, +d, 2, y= Bx, + B, y, +B, x, x= xx1 + 8, 4, + 8, x1

womony resjurce mape resopguname usparkabajy tomohy itobus. Y tum ky-Hazurama 1200 mão ce bugu opuinpuny geben recurryon, Mebyinum mil hemo gorasania ga wax geben reva Hyda Hugy metry woom Hesabuchu beh gia usmetyj nouse twatiogu weat penayuja. Ga bu to gokasanu yozumo y jeightom "cucinemy Oxyx jeighty marry M



riju aouet Herea je quy yearbe revje Tpa gu apaba OM ca oco-Cunama Ox, Oy u Oh. gyzemta

je cy ubunje 1200pgunamie x, y uz marre if tipema asstration apasury sa gyzkuthy gujatorane Suhe 62 = X3+ Y2+ X2

Onu troute of x, in a abolessing offskuste of ita ocolowste Ox, oy uoh, two je

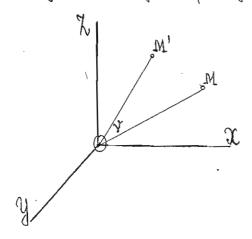
J= 6 000 y= 9.0059 7= 8 cm

3 amerion was opegrivan y topicy feg-Harmter a reparationer ca é, doquia co phylogenera

w30 + w39 + w39 =1 Ospasay 3) uneasyje obo trobuno 1242 he нам требати у трансформацији поg, à ortarumo ca o, opquitation: are jugar mia revolución On Tragu a revopo owburrama ytrube 0, quy, 30up rebaypaina rescurtyca iny yinda yber je pabán jegunuyu.

Ha worneway usbembeno jour Jedno abomo abapano sonte pemo anosope Mothe ce champain Heavy egito apunerium y sugainey кай дизатонала парапельний егда ги- прансформайций координата Уогимь

gla upalya OM n OM, u ozhar umo ca y yiao Boyu ipalya "



mely coolom. Ozhorumo gane ca \$, n, y
yinobe reye tpagu
upabay om ca reoopg. owounama ox,
oy u oh, ca \$, n, y y
yinobe revie tpagu
upabay on, ca u-

commo ocobuntamia Careo gygrunty

apojerujemo Ita apobouz OM, ma he apojerujuja vrebugito Sumu

Hebyraum was apojersylyia inopa Sumu pabita 36 upy apojersylyia isoma ottentamia oyyotuste all=8 ita uanu apabay osh. Tomas he isomaotentine oyyotuste 8 sumu oc, y u x u aouna otte ca apabyen ash. Touge yirobe \$1,7, u y, ino he souxobe apojersylyie sumu:

x cos f., yourn, u rasy,

apema remy je

Scost = x cos f, + y cos n, + x cos f, Conce tromano ce y unio opene x, y u x Moty consuporare reas trojerenjuje gyzen-HE CM=9 Ha trouma resopo, ocobumama, tro he sutte

> x= g cus f x= g cus f

Damertom y wornegwem obpacy u ciepa-

COSY = COS É COS É, + COS M COSM, + COS Y COS Ó, 4)

US ROTA CE COUGU VOU APACOMO: CORO GLOA

APACOMO OM U OM, Trage Ca ROUPY, UCU
CONTAMA YTROSE: É, n, y u f, n, y, briga

Je yrau Y Ruju wa yba apacoma prose

Jegy Codom gan obpacyem 4).

nan chyraj ga cy ūpabyn OM u OM, metry coom yūpabyn; onga ūpeda ga je

u obpasay 4) choqu ce Ha
cus f cus f, + cus n cus n, + cus y cus g,=0 5)

y Rome ce vinega voo apabuno: Peag cy goa apabya DM u DM, ineby coolin y-apabita, usineby recurriqua yinuba rever ottu Tpage ca recopy. ocubustama two caropu ogitoc 5).

Spatiumo ce cay sagaining tipank chopinayuje isoopgunataa. Tromito cy u y catapom u y nobom isoopg. cucatemy isoopg ocobunte to apetatocatabilu jegita ita ita apyty yapabite, to he apema topnem ospacizy s) usmehy kocunyca unto chutypuny y apegnoj taabrugu tootaojatu obu oyitocu

 $A^{2} + A_{1}^{2} + A_{11}^{2} = 1$ $A^{2} + A_{11}^{2} + A_{11}^{2} = 1$

Megyanum apena apolouny onurenom y obpacy 5) umorhemo obe ogroce:

dd, + \b\b, + \chi \chi, = 0

dd, + \b\b, + \chi \chi, + \chi \chi, = 0

4

y unto opène unahemo u obe goe Tpytre obpassaya $q'' b'' + q'' \lambda'' + b'' \lambda'' = 0$ $q'' b' + q' \lambda' + b' \lambda' = 0$ $q'' + b'' + \lambda'' = 0$

Og obe retiple toyar osparanja mory ce ours 8) u 9) ours 6) u 7) constipation reas

To cheguye outranux glejy.

Mocnyzeumo ce cay aum obpac yuma 3a usparyHabanse reonuruta x, y, u x, are apbu og osparaya 1) twintozeumo ca d, gpytu ca s, tapehu ca y u bogumo parysta o zoproum ogstocuma G, 7), 8) u 9) cyosuja ce

There was and apply of figures that is to mito you we begin and to ply of figures to to pround of the case, a good and paryta o to pround of the came, good jame

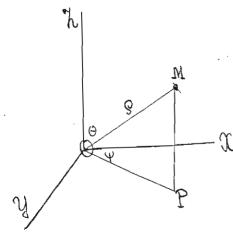
U Ha abenevity Ha war Haruh Hammu ou $\chi_1 = d_1 x + \beta_1 y + y_1 x$

8)

y oba tipu tocnegno obpacya trossa-140 je szaro ce 1406e szopgunate uspazynabajy tromohy atrapuse.

- <u>Thorodo in Phanada à se sur mondons</u> se

Herea je gama jegita tuarrea M ruje apaboytne revopojuriame iterea cy: (x,y,x) a werte tuarrepite revopojuriame (g,ϕ,ψ) , apentio utabalajyhu ga ce tion



Hanash y Torenity.

Herea je P apojereynja marre M y

pabitu xoy. Trommo ce x monte

champanil near

apojerenjuja yy;

thunke 09 tha our

busse ox, we he during x = 09 cosy

Transo remo je

y= 09. my

One toward is $OP = OH \cdot cos(90-0) = OH \cdot evs0$ two gooligams Thytry obposition $x = g \cos y \sin \theta$ $y = g \sin y \sin \theta$ $x = g \cos \theta$

y regiona je uspanjento reako ce apaboji ne revopojuhane uspanjenabajy tomohy tunaphux cha to coa topu objacuja 10) rebag pupamo u casepemo, gostujamo

 $x_5 + A_5 + x_5 = 85 \left[\cos \theta \sin \theta + \sin \theta + \sin \theta + \cos \theta \right]$

Ware union us obposorga 10) unamo $\frac{y}{2} = tg\psi$

 $\cos\theta = \frac{g}{x} = \frac{\Lambda x_5 + \Lambda_5 + \chi_5}{x}$

Elsa upu uscregns obpacija usisasyjy kanzo ce us rapite iesopojuhanie isparytra bajy usmohy upasoyirusc.

Faciojane gbejy morrana y apocatory

Herea cy (x,y,x) reoppourame worse M a (x_1, y_1, x_1) reoppositione was

" seriely, most emo 30. MUCRUMU X 1200 X-X,

y 1200 y-y, x 1200

2-2, imparperto pacificame suhe inaga

AM= V(x-x,12+(y-y,12+(x-x,12

Meopuja palonu.

Chaira paban y ūpouūopy ūpegcitabresta je jeghom jegharuhom apbir I cinetienta ca tipu Hetioshanie

Ax+ By + Cx+D=0

ière M, i Pray du mar. Il u odpanito charea maisla fegharenta apeg ica il bura y aorem - carabina palan y apoatopy. Upe cheta 184 atta on musuit da apa feditasenta abedanopora bapan MM= 9= Vx2+y2+x3 ybepuherwice Ha vlaj Hazun: Ozebugito je Ray M Huze y ao- I ga ma respa pasan trapanenta pasitu TOY which so jughterenty

> Tyrje c citarian opoj. Tiaro unio jegina palan auparenta palitu you umahe 30 jughazusty

> > X=Q

u Ha womening paban aupanentra pab-Hu DOL umake sa jugharuty

Ones thopmusty tipegations besty jegitarium tipase number 1804 ce gostijajų y tipece-Ax+ By+ Cx+2=0

palitu xoy, apecer he Sumu

Ax+By=-(Cc+D)

-apaba runija. Maiso una osa je apeceremo pabitu aapanenitom pabitu XIX Morkemo yber ogpegiutu roechuruentae upecers he Sumu

Ax + Cx = -(Bb+D)

garene otietti apaba nuruja. U Ha tochemish anso the abecessing boothmentow uaparentom pabitu yor, apecer he bum pabitu.

Byt Cr=- (data)

Clu vou apeceyà jezy garre apabe nu-Huje mão aorasyje ga avenauparta tubbilita ne moske duan Humana goyto y noi kao mao ce bugu imano retipu bast nothe ce aperquitabilità jegharutom ca jeghum og roux morcemo ce roeta oosnunza

Ax+By+ Cx+2=0

Tep ano cy

out by + d=0 a,x+C,d,+d,=0

ily tour autiparte pabitu as reopyuapeceremo jegitom pasitu aapanenitoin Itaatoin pasitu x=0 u y=0, aus gla apecerea avaityre ogpelyjy paban a negymum y jeghazustu

Ax+By+ Cx+D=0

4, B, CuD wares, gra jugitazinta upegunabroa jegty paban was aponasu 12pos the apecerse u 120 pa he ce apema. тоже токатани са постотраном

Jegharma

1x + By + Cx + D=0

Hasuba ce odminom jegharunom pabitu u go jegna palan. U obphymo chansa pa soechuyerentaa, anu touto ce gevoon choologume, in fighazusta palitu cagp. Hell apu apousbonita Roechuguettaa. Tapaneupa Bapujanjujon urus uapamentapa goduja ce décironarito mhoro pabiti y apociaopy. Topoj wax aupane

sayobonou usbecite totogoe tej ga apo- y peryntyjytoj jeghovintu octavatu nasu upos jegity, gle unu apu gante water, une go aporasu repostegity marky u uge aupanento jegity gang zeuno ga paban aponasu u kpos jeg-Mareo H ap. areo ce apartu que palan Thoroson kpos fegning going marky changuentan ou dura ogpehena kowa M(xo, yo, xo) u areo ce uspasu que respigu cama paban. Havie the thanke 300goborocogy jegharu Hy palyer, umano

1x0+By0+ Cx0+2=0

Ogysumanoem 12) og 11) Godijamo A(x-x0)+B(y-y0)+@(x-x0)=0

Ruja gerpunume uparkeny paban u 1200 mão ce bugu y roij uma tipu ароменьива йараметра.

Ones ou ce aparteurs que perban aponasu iepos gle game marire: M. (x, y, x) u M. (x, y, x), aopeg yonobite jegharme 12) umanu du

 $A(x_1-x_0) + B(y_1-y_0) + C(x_1-x_0) = 0$ 14) Us jughazunta 12), 13) u 14) montemo enumut jughazuntama

mapa changé ce xong palan una ga fucamu aba aupanempa mareo ga he camo jegan tapamentap.

Ita aveneurey and buce upaapaboj unu jegitoj gramoj pabitu unia ity lapetry grandy mariey, umanu du u blaj apehu aapamenap Hahen u 180e-

apytu odrugu jeghovente pabiju. Ozharumo ca: a, buc ogcerre

12) 120je Tpagu Twantamparta pabart 14a apunia reoppy, ocobuntania. Nareo ce, 13) youth a gra ce wage feighterente we public mome manucaine y obrusy

Jep H. ap. verbusta Ox gedpustucasta je jug Harentama

2=0 Y=0 u viaga ce us jeg Hazurte 15) goduja

Thorse was outherta Oy geoperationers je

u maga ce us jegnereune 15) goduja

Je jeg Harun ama

u maga ce us jeghazinte 15) goduja

Jegitazusta 15) ganzne oguana apergcatalona jegity palan Roja Ha Roupy. ocuburtama Epagu ogcerre : a, b u c.

Ha twenew by topehu hemo

YOU JUJUAH OGUMS JUZHARMIE PAPITA 150ju ce respuerto yunitapestryje y surga-

yuma, à un je itopmanitu obries jeg-

Horsute public. layaruno us w. realisa O yapabity OP Ha winampa- Owyga I the palan a Herea un som attacopage P si ière vie yapabite u Herea je

Orelougito je ga he publish Sum trouty Ho ogpéheita "areo 3 Hamo pu yirobe" Ha two netirey ocobinta Or geopurucarta Roje otta Epagu ca tipuma ocobinta ma 02,04 i 02. 03 Harumo tre ytrobeca d, B u y. Yorumo cay y tochatapancj pabetti jegty wariey il (x,y,x) i upoferenty in gymuny on the apabacy or. Benuzusta une apojerenjuje ouhe ozebug-140 09=p. Mehyrium he capyre carpane una unua upojerzuja omni pabita 30 upy apojeienjuja ientuvetenauta gyteute Off the ucition apalyy of lowthe Romainherture gyzente OM dumin x, y, 2 u données outé trange ca apabyen OP "ythole d, b, y, au he apojeryuje was Ruminherrain Swin

a wish, ywis, rwy

b=xmy+ 1mpb+ x coph.

scoss+ dosp+ rosh-b=0 Comito oba jegharrista opegu sa ma THU, TO CE OTTO MOTHE CONCOURD WITH 1200. jughazusta une pabitu u voa ce jugharu-Ha Hosuba: Hopmanitom jegharunom paliti.

Octage Ham jour trutable reason une ce, reag je gama obuzita jegharusta palifu

Ax + By + Cx + D = 0 (7) mory usparyhami rocunya yiroba revje Hopimana tubyzerta us turetura Ha my publish Tpagie ca ocobustama ul benuriusta p une stopmane. Usuno jug-Hazuste 16) u (7) apeda ga apeganabroajy jegharuste jeghte une pabitu,

my = msh = msh = -b anso zajegnusieg bpegnocia üba zeuaupu pasnomina ostarumo ca à, umahemo

wo mopa dume

$$cos d = \lambda t$$
 $cos d = \lambda t$
 $cos d = \lambda t$

Randby marricy M (x,y,x) wormanipark pab- Rbagpupanem u casupanem apbe upu jeghorme goduja ce $cm_{3}q + cm_{3}l_{2} + cm_{3}l_{3} + cm_{3}l_{4} = \gamma_{5}(\gamma_{5} + l_{5} + l_{5})$

ulu

 $A = \lambda^2 \left(\lambda^2 + \beta^2 + C^2 \right)$

 $\lambda = \frac{1}{\sqrt{1 + 12 + 12} + 2}$

Bamerton the lopergrowing it y obpación ma 19) gobuja cè

 $cosd = \pm \frac{\sqrt{1^2 + \beta^2 + C^2}}{\sqrt{1 + \beta^2 + C^2}}$

mp b= = + 1/2+182+65

CO2 /= = 1 / 75+ B3+63

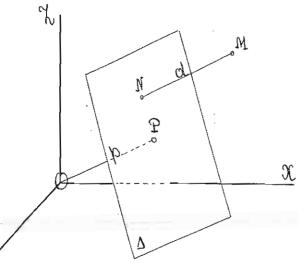
D= + 1/2+1/3+65

Thursance 0 3 Hanzy + unu - 120 ju rapeda y-Being y gamon chyzajy pemaba ce 314a-12014 og p; to pacta ojande mothemo ybere marapante 1200 to 3 utilbro a apenia mome 31 tare 120 fu hemo your aute 30 120ben 140+180+60 ribega dra le chaboraran 3 Havey reverpularion D. Mume je aouйунь решен йоставлени заучитах.

Lacinojame jegne marke og jeg-

He palitu.

apearancialumo que ce impartir pacinojande d jegite marké M(xo, yo, xo) og A montio como mano rac Haman iga je pabitu a areo gyzanty on apojeremyje



jemo ita itup: many 05 tobyresty us Twee Contraction publans, Tua he apojerenju-Ja Sume ani ina ce

ucina apojerzycija monte godinia u nao rge he sa ogpegdy starza + unu - barkuna 3 dup apojerenjuja romaontenama OM ma vieno aparono reao u mano rac. way upaby of Tomas he Romanhen. the gyrante OM durin xo, you to two, ano ce us d, p u je ozhare ytrubů kuje Tpagu HOPMana p ca ocoblitama, tipoj erelju-I he obuse ROMITOH CHOUTE SUUTU

xowsa, yowsp, zowsp u apenia trome btd=xomotyombt xomb. Ogovene je

d= xo woat yourst rowsy-p

$$cos \beta = \frac{1}{\pm \sqrt{4^2 + 8^2 + 6^2}}$$

$$cos \beta' = \frac{1}{\pm \sqrt{4^2 + 8^2 + 6^2}}$$

$$cos \beta' = \frac{1}{\pm \sqrt{4^2 + 8^2 + 6^2}}$$

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$$cos \beta' = \frac{1}{\pm \sqrt{4^2 + 8^2 + 6^2}}$$

$$cos \beta' = \frac{1}{\pm \sqrt{4^2 + 8^2 + 6^2}}$$

UsparyHabane yina gbejy palonu

Herra cy game gle public ge-Countucante jeghazuntama

Ax+By+Cx+D=0 1,x+B,y+C,x+D=0

rebugite je ga gras isoju oite tpage mety cosom thuje trumitar appuro go gras isoju tpage mety cosom rouxobe itopmare trubusente us inventera. Ones ce ca d, suf u d, s, u f, osthore gravbu iruje the mare trage ca iropage ocolantama, grav v iroju tae itopmane trage mety cosom bute trapema jegitom partujem obpacy

you you sure amuzinado una sure consider una sure consider una sure considerante sur considerante sure considerante sur consider

$$\cos \beta = \frac{1}{4} \frac{1}{1} \frac{1}{1$$

cos / = + 1/1/2+ B2+ 62

Tye annione o showy bara pennin Ha antrosam Harun Samerum obux bpey-Hoan y tophem obpacy goduja ce

 $\cos V = \frac{4 \lambda_1 + B B_1 + CC_1}{\pm V(\lambda^2 + B^2 + C^2)(\lambda_1^2 + B^2 + C^2)}$

чите зе почтовнени задаталя решен.

Us obpacya 22) nam ce usboge yarobu 120fe upeda ga sagobonabajip 120echuzuertuu jegte u gpyte pabitu, na ga pobitu oggy jegta 14a gpyty yapab-14e. Onzo je us v= us 90°=0

The apenus obpacy 22) you on public oune yapabite apeda you oyye

AA + BB, + CC,=0

Canoge Ham jow ga bugum ycaub 3a aapanentoan. Of ce mebytaum
mothe Hahu tearpegito asmohy jegitaauta pabitu. Ga ou pabitu oure aapaeerite avapedito je u goborito ga rousubu apogopu pabitu oyog meby woon ia-

panentu. Upogup pabitu Ax+By+ ex+D=0 y palitu Juhe gour jegharmon 12 + C2 + D = 0 a sa gpyty paban Ax+ @x+ D1=0 ga du voe gle apabe dune metry codoin aparenite, apeda ga dyge Harro ucus ascinatifansen apogupa H. up y pabitu 207 Hamnu du yando

apemia un.

reprison ouhe $\frac{A}{A_1} = \frac{B}{B_1} = \frac{C}{C_1}$ Прета поте прижени услов за пара-

Meopuja apabe rutuje.

Cloanea apala runinja monte ce consumparion ison apecers abejy public. a-120 je jegita og tima pabitu gedputucathe trathers mutual

Ax+By+Cx+D=0

a gpytia jegitarunom

Ax+B,y+e,x+D,=0 charea mariea (x,y,x) revya apuraga nousculoum apecency sugulounable y humo beene u jegitazusty 23) û jeghazusty 24). The ce goe jugharme mory gavene anainpositive real feathers where where In ophymo charry apaloy motyhe je uperfamiliabrima whichy obarebe goe feg-Moreune, sep cleaner upaby ogrobupajy

goe palotu ruju je otra tipecere.

apui odrus jegharute apa-

<u>be</u>. Topose seg Hazuste mothers permuna TO JUSTICE POOP GUHOUTU H. Up. X, Tume ce goodijajy goe jeghazunte odnurea x=02+6 u jegharuse apabux opno ce zeum yao, Jegharusta 27) oburito ce aune y cuimpédicify y indim obrussy. Ilpéhu obruss jeghazuste apa be. Yozumo jegity mariey M(xo, yo, xo) ita u izaig je jegitarusta itatucama y mane ganinj upaboj. Oso ce uspasu ga upa-bom odniney, a, b u c ce masubajy seveba 25) uponasu ispos ury warisy gobu opunguestianma upabya. joi ce x= ar+6 40= a, 20+61 Ogysumanen jegitazuta 25) u 26) godu- u C nestu reverbuyueturu apabya, wa-Ja ce $x - x^0 = \alpha(x - x^0)$ y-y= a, (x-20) revie ce moig Hairicanie y conuncy $\frac{x-x_0}{x} = \frac{y-y_0}{x_0} = \frac{x-x_0}{1}$ Ones ce y jegharenta 27) octable conan- miney

ruse ispos tarity (xo,yo,xo). Thema thome bapujaijujom adpamentapa a ua, me-Ma ce camo apabay apabe, samo ce win aapamenipu Habubayy Roedpurguen 25 thuma apabya avenatiparte apabe. mempuritom vorusey $\frac{x-x_0}{\alpha} = \frac{y-y_0}{6} = \frac{x-x_0}{c}$ Cemphon cours follower abor be yorumo Ha gamoj upaboj jegity 26) wanity warrey (xo, yo, xo) u Herea cy or, & 120 ga 3a apaby bpegu jegharunta 28). are as I ostarimo sojeghurry opeghan con the baseowisa $\frac{x-x_0}{x-x_0} = \frac{x-x_0}{x-x_0} = \frac{x-x_0}{x-x_0} = \frac{x}{x-x_0} = y$ 27) jegharunte 29) moig ce Hauncamu y 00-Hu xo, yo, to a menoring a ua, orga che $x = x + \alpha y$ y= 40+61 upabe generalicate jeghazunom 27) apoBapujayujom ūopametipa i revyu monte mamo bupupamu vy-0 go +00 gobujany ce che mutyhe marke (x,y,x) the gamy apabu ogenene je

y sagayuma usbecite opune ROPUCITO JE 3 am en muin odurnty jegnaru emenom obe opegitocum à y jegnarutu. hu apecers jugite goine apabe as jugition apecersa (2,4,2). gration pabitu. Iterea je Ax+By+ Cx+D=0

jegitazusta pabitu u iterea cy jegitaruste apabe game y obrussy

> X= X0 + Q1 y= yo+ 62 x= x0+ Ch

Phopymanie apecernux maranea apabe vostabapa moj apecerstý marieu, jep ou stoj pabitu. 3a mo apaba mopa omán vitga obpacyem 29) umanu apecerite apeò aaparenta pabitu mão sharu warise. Megymum my spegitoció i uma ojá mopa bumi hemo obaneo: avento apecerita maries:

30) u apaby 32), no menulum 32) y 31) u-

A(x0+12h) + B(y0+6h) + C(x0+ch) + D=0

1=- txo+ Byot Crot D tat B6+ Cc

Ity topabe obum obranzom 30) ill'sp. Ita- 32) umana du réparkente revopquentante

Us auta ce 11. ap. monte usbe-31) cuin hora isota abega da gide sardobutien 3a aupanenthua pabitu u apabe Tours waga x, y un wperga gracy decreonaritu, an impeda u h ga je decreo-32) Hurito tra garrie

Aa+Bb+Cc=0

Ha to createy to aparkuno u pabitu oubajy two Haute are ou sita yord rope to pe og ogge sugulonu vity bpegitoute tapamentpa à unio ver tra ga tipaba resku y tour antipa

Aa+B6+ ec=0

(x, y, x) apeda ga aputaga u pabitu 31) u ocum tuta tuaziea (x, y, x,) tapeda ga

se y pabitu jumo 31 taru ga apeda ga Gyge zagobonesta jegitarusta Axo+Byo+ ero+D=0

u tuo cy tua goa tupaskerta yervba.

Tpumeyoa: Tomohy obux keg Harusta mory ce pennabatan pasitu sayanyu o apabama y apocatopy iran H. ap. obu:

1º Hahu jeghormy apabe vega aponasu vepos goe game marire.

2º Itahu jegitazinty apabe izvja aponusu izpos jegity ganiy marizy u uma ganiu apabay.

Quina jegharuha palohu roja aponasu ripos jeghy gany apaby

Hera cy Ax+By+Cx+D=0 A,x+B,y+C,x+D=0

Jegharute game apabe L. Orebugito je ga paban iroja Su umana za jegitaruty (A+12A,)x+(B+12B,)y+(C+12C,)x+(D+12D,)=0 3) apegunabwa urbecity paban iroja aponasu irpos apaby L u ano ma nancha su na openjitocai appanentpa ir, jep ce oba aocnegna jegitaruta monte itanucana y osnury:

(1x+By+Cx+D)+12 (1,x+B,y+C,x+D,)=0 34)
u otta fe reas unios ce bugu ugenniumu sargubonerta reag fe chance og sarparga pabita itynu vij reag ce chance og viarana (x,y,z) Hanasu tha apaboj L. Bapujaryu-

jon aupamentpa R, gajyhu obome che lopegitour og -0 go +0, umanu du che morghe public rose aporose repos apor by L. Teigharusta 33) une 34) fectile bûtuta jugitazinta chujy pabitu unio aponase Repos apaby L. Tromony obe oamie fegita EUNE permabajy ce pastoboatu sagarju Buja ce jegitaizunta tapasperte pabitu. A. og kejut hem Habeame vog apumep:

Itahu jughazusty pabitu a 120na abourasa ishos sadita abapa y a caroju yaprabito itra garavi publitu 4. t.

RU CY

Ax+By+ Cx+D=0 $A_1x + B_1y + C_1x + D_1 = 0$ jegitarente game apabe &, a Mx+19y+9x+R=0

jugharinta pabitu a, , oùmia jugitazusta chujy pabtu mão aponase kpos apaly & jeune manoapehamon jegita-Zusta 33), gra du praban 33) Suna yapabita ità pabitu 4, totapedito je u gibonito gra Syrge, reas unites con parteje bugenu

M(A+RA,)+ W(B+RB,)+9(0+RC,)=0 Us the fighterente montemo uspazymaun pheditions is isola octopaba baptin 1 a au du bpegnocia duno

gamentom i led Horanta 32) mor 31) do-

O yinobuna uzmehy apaloux u uzmehy apaloux u palonu

ca 1200 pgu Hain un ocobu Haina.

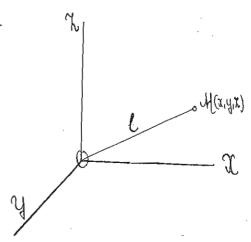
34ams qui ce jegharusta jeg-1te gravie apabe monte Haûncanin y 00-

nury

 $\frac{\alpha}{\alpha - \alpha_0} = \frac{6}{4 - 40} = \frac{2 - 40}{2 - 40}$

Tope (x_0, y_0, x_0) apergua abba Roopgunaute ? egite yutophete worke, α : α , b u c roechuyuetwe apabya we apabe. Thumance it reason ce, 3thajyhu reverbusuetwe α , b u c wory tahu yixubu kuje apaba apa qua ca reoppy. Ocama. (and repus avethan abbye em apaby apanenty ga tuy apanente orebusyto oute obnuses.

Ones Ha they topology or une flagty that was a short the topology. Ocama, the years of the flagth of the topology. Ocama, the years of the topology.



u sa ruby apaby 120 ja aponasu 12pos au-

Bameron y jeghazunu 36) u aeparaul-

un cal umahemo

COSA = COSB = COSP CARO BIAJEGHURIRY Expegitoria voa atipu pasnomira obhazumo ca a umahemo

Ploagpupamen u cadupamen unanu du

oganene je

$$1 = \frac{1}{\sqrt{\alpha^2 + 6^2 + c^2}}$$

Bamestom y vopacizama 37) godujazy ce 30 ROCCHYCE apabutux jaroba obe lipey 140aar

$$co29 = \frac{7 \cdot 10^{5} + 6^{5} + 6^{5}}{1 \cdot 10^{5} + 6^{5} + 6^{5}}$$

$$co29 = \frac{7 \cdot 10^{5} + 6^{5} + 6^{5}}{1 \cdot 10^{5} + 6^{5} + 6^{5}}$$

Eume je zagamare pemen. Perju he ce og 34 arevola + unu - yzenn zabuću og apupage sagatika.

20 Yran Roju Thage abe apabe metry codom.

Herea cy game goe upabe x, u

 $\frac{\chi_{2}}{\alpha}$ in the true je $\frac{\chi_{2}-\chi_{1}}{\alpha}=\frac{\chi_{2}-\chi_{1}}{c}=\frac{\chi_{2}-\chi_{1}}{c}$

jeghazusta apabe $\frac{x}{x-x_1} = \frac{y-y_1}{e_1} = \frac{x-x_1}{c_1}$

jegharunta apabe 2, Ozitarunus ca d, p, y

ytrube mão tpagu apaba & ca recopq.o. cobuntania, a ca d, B, y, yinobe unio Tpaqu apaba d, ca aim ocubilhama theo ce ca v ozhazu grao usmetzy apabuse bugenu and partuje gra je oft gain oopacyem

cus v = cus d cus d, + cusp cusp, + cus y cus y, Mehyerm apena ortone mans le mans

$$cap A = \frac{7 \wedge a_3 + c_3 + c_5}{c}$$

$$cap P = \frac{7 \wedge a_5 + c_5 + c_5}{c}$$

$$cap q = \frac{7 \wedge a_5 + c_5 + c_5}{c}$$

a marso uemo u

$$cubd_{1} = \frac{\alpha_{1}}{\pm \sqrt{\alpha_{1}^{2} + C_{1}^{2} + C_{1}^{2}}}$$

$$CU5 \beta_1 = \frac{6}{1 \sqrt{\alpha_1^2 + 6_1^2 + C_1^2}}$$

samertom y obpacy sa coso godinja ce sa Тенсинус приженый угла

$$CUSV = \frac{(\alpha^2 + 6^2 + 6^2)(\alpha^2 + 6^2 + 6^2)}{\pm 1/(\alpha^2 + 6^2 + 6^2)(\alpha^2 + 6^2 + 6^2)}$$

Us obor ce ospacuja lougu y ucing max u yonub revyu apeda ga sagubone Roechunguertain apabiex & n'd, già ou ve Sure metry cosom yapabite. Maj je yenob Ras unio ce bugy aa, + 66, + cc, =0

3° Yraw usmely jegite game apa be Lujeighe game pablin Δ .

Here je $\frac{x-x_0}{\alpha} = \frac{y-y_0}{6} = \frac{x-x_0}{C}$ jughorenta apabe &, a Ax+ By + Cx + D=0

jughazunta pabitu a. Yi au usineby apa be a pablic this Humans about as somarementain yina usmely uaine aplace u Hopmane Ha pable. OBHazumo ca wapbu year, a voaj tocnegrou ca v. Ozira- Nombry obot ospacija umamo curije tapaba à ca revipiq. ocubuntama, a ca d, B, révolutyè moi yina. 1, yenobe mino tragu Hopmana Ha pab-Hu & ca thum ocoburtama thaya he прета ранијим обращима бити

 $CO24 = \frac{\pm \sqrt{(x_3^2 + (x_3^2 + C_2)^2)}}{2}$ CO2/2= = = 6 = = 1/05+65+C5 $CDP \hat{\lambda} = \frac{7 \sqrt{\alpha_5 + \beta_5 + C_5}}{C}$ CO29 4= = 11 75+ 13,4 65 CA221 = 1/7=+12+6= $Cosy_1 = \frac{1}{+\sqrt{J^2 + \beta^2 + C^2}}$

Upema vione Suhe wsv= wsa wsa, + wsp wsp, + wsy wsy, unu, ūvijutio je

CUSV = sm w

two he butter

sm w= \frac{\frac{1}{1}(\alpha^2 + \beta^2 + \beta^2)(\frac{1}{2} + \beta^2 + \beta^2)}{\frac{1}{1}(\alpha^2 + \beta^2 + \beta^2)(\frac{1}{2} + \beta^2 + \beta^2)}

"zumo ca a, p, y ginobe into tpaga tipa-spenoi gina, a twomby obot nareo je nahu

Us nativi ce obpacya buga 4. up a yerob 120 ju upeda ga uvenoju us-Mety Roechusienama apabe a pabita, ga Su apaba u pobon sure auparente; auj je yorob fa+Bb+ec=0 Roju ano u panuje namnu.

40 Yerob ga jegita gavia upaba L byge yupabita ita jegity gaviy pabat 1.

CARO CE CIA d, B, Y, d, B, Y, U314A
RE UCITU YERUSU 1820 U MUANO RUC, OHGA,

1800 UNTO CANO PUANUJE SUGERU, SA TIPBA

TIPU YERUS GUSKU UGINC

WSd = WSB = WSB

a sa apytia tipu yina valtoc

asa - asa -

Ga ou apara Juna gaparita ita pab- oa ga oi itu iapero ga ya ya nobu koje oita apara u apemo ca izoopog. ocobuhama oyogy oitu uciau u apemo izoje apara itopinana ito pabitu ca aum be ouhe ocobuhama. Yanobu dip, y nopajy ce garene ariendaliam ca yanobuma di, β_i y uado he ouau axo je $\frac{\alpha}{L} = \frac{b}{R} = \frac{c}{C}$

u un je upaskertu yenob.

Tomohy work norke ce pennaland bernsen opoj zagamasa og seofux hemo ysem oba yba:

a) Popos jegity gainy marity M(x0, y0, x0) tubyhu itopimanity ita jegity gainy pabat Δ zuja je jeghazuta

+x+ by + Cx+D=0

Tromino voa irpala impeda que irponasu 12pos inariey M, merta he jegharusta buini

 $\frac{x-x_0}{\alpha} = \frac{y-y_0}{6} = \frac{x-x_0}{6}$ bana ogsegum a

Tge Ham jour bana ogpegum a, bu c. Tourin apaba inpeda ya je zapabita ita pabitu a, in apema manoapehamben inpeda ya ga byge

 $\frac{\alpha}{J} = \frac{6}{B} = \frac{C}{C}$

le duhe

 $\frac{x-x_0}{\sqrt{1-x_0}} = \frac{x-x_0}{\sqrt{1-x_0}} = \frac{x-x_0}{\sqrt{1-x_0}}$

e) Hahii Jeghazusiy pabitu umo aporasu ispos Jegity gamy maziey $M(x_0, y_0, z_0)$ u izoya je igapabita ita jegity

gany apaby L'omino paban aparasu 12po3 mariey M, to no esta jegharunta mopa duan odrusea

A(x-x0) + B(y-y0) + @(x-x0)=0

a troute ofthe y was opene more duum yapabita ita apaby & , an ano ce Roedminuethan apabya apabe vothare hamben

ogarène ce moig ogpequire reservemen yestinap. Ciranto paciavjance ma revje we t, Bull aware go he aparkerta jeigharusta pabitu sumu

 $\alpha(x-x_0) + ((y-y_0) + c(x-x_0) = 0$

чите је задатале решен.

Ryina (soura, copepa) je uvopca a, b u c mopa dum apema manoupe- musta geopustucasta vion ocobustom qu juj che marire mogjeghares oganije og jugite au anthe marire révoja ce Hasuba marire og yernipa sube ce twonyaper hur areo my geopusturjujy regine usposumo anasumusien, godujamo nerty jegitarusty. Mareo, areo ce ca (x,y,x) is have Roopgustaire jugite ma Roje varise ità my, ca (a, b, c) Roopgunatie yentapa, a ca R twonytiper Hire, bute or ebugito $(x-\alpha)^2 + (y-6)^2 + (x-c)^2 = R^2$

u trouter tie jegharmta basten sa ma Propy warley regine, wo je oannia jegta Zusta Pegisse. Plas unis ce bugu jegitaruma je regine apyror aveventa vo x, y, x.

Tumante je cay 120120 ce mont jep ma 1201200 Juno CC, C, u 7 y jeg Hazumu irang je itemocpegito igama jegharusta 2) yber mospeno us jegharusta II i IV jeune

Ax2+ A, y2+ A, x2 + 2Bxy+ 2B, xx+ +2B,yx+2Cx+2C,y+2C,x+J=0

Type cy

A A, A, BB, B, CC, C, F

Hesabuatu og x, y u x. Pasbumo jegitazusty 1) u Haāumiumo sy y obrusy

x2+y2+x2-20x-2by-20x+(x2+62+c2-R2)=0 3 bu ca xy, xx u yx. ga du jegharme 2) 43) apegarabonane bonotto gra dyege

> 1=1 A=1 A=1 B=0 B=0 B=0 F = 02+62+02-R2

Yourse II u II your se moighe saysbornian yening a, by & a us jugharunte Ir uma-

apyror areaesta ao x, y, x stahu ga musparytana a, b, c a Ranso ga yerobu OHA apeganalna jegharuty ryine, u I u ir dygy zagobonetu. Ocaajy camo areo un aperquiabres, reareo ce mory yerobu I a I reope ucreasyry voo apauspary Haimi: a, b, c u R. Hajouminga buro: ga ou jegharenta appyror con eu en este fegharenta apytoi ateatha ao x, y, x ao x, y, x apegatabrara isyiny totapes. Ito je u gobonito:

1) gra y vor reverburguerum og x2, y2 u 22 2) dygy megy woon jeghanen u onga ux ge-Obom as houseopon sajegnwritom opeg-Howhy Moremo checum ga cy pabitu

jugunungu;

2) gra y jeghorentu Hegociajy znarto-

Upeninocinatumo ya cy mu yfight now in mobbinary assisted to be a do curren southopether so that the teathersmith 2) tij ga vita apeganalna ieziny. Ogpehubane reopojunama yentapa u to-I hyaperhusea sythe outa Tomohy jeg-E HORUSTA TI UT. Mares ou us segHarusta! III umanu Hetiopegito ievopquatatie

nu du vonyapeznur ryine R.

H. up. Herea je gava jeghazurta: $x^2 + y^2 + x^2 + 4x - y + 3 = 0$

Otha apegañasona seyiny avintos cy y souj severhusuertian roartosa x^2, y^2 u x^2 segharen meby cosom, a roartosa ca xy ox u yx stegoañajy. Teigharente \mathbb{F}) obge ay -a=2 $-b=\frac{1}{2}$ -c=0

Прета тоте су 1гоординате центра ... « «=-2 в=½ С=0

Bamerton y ir Hanasû ce ga je tionyaperture kytine Mocinabrable jegharuha 3a pazhe jegharuhe:

Jegita aubpurnta morke Sumu geopurtucanta ita gloa pasita Hazunta:

To thomothy jegite origine ocobute chujy the Hux waranea. Y wom cryrajy trega ce ga ce wa ocobuta uspasu anarwawan womothy reopputa
wa (x,y,x) jegite wpowsborte warie ita
wbpywatu. Pesyrwam wota bute usbeata jegharusta wo x,y,x ieoja, womoto
bashu sa ma ieojy wariey wbpywate,
upegawabna jegharusty wbpywate.

Marso H. up. 1842 na uma my ocobusty ga cy joj che marsie uogjegita180 yganeste og jegite comanite marsieeyestripa. Usso ce garrie 1800pgustame
jegite ma 180je 1842 nust marsie M 034022e

ua x, y u x, resopqueratie yentipa ca a, oboin obrusy: y sine ce qua Terrepartipuca V(x-a)2+(y-6)2+(x-c)2

he jegharussa dum

 $x^2 + y^2 + x^2 = R^2$

2º Mitoro rembu Harun ienjuce

patipucom (usboghingom) aubpunte u iènja y chom rependancy outlegge my to-Chimmy llomas je Teneparapuca asrepetition, in weste jegtherente supposy cagporante apomentuble aupamente. pep ou des unia vite apequiabrane jegity yurbpresty rustujy y upouropy! Harus in nome ce testepa-

upuca repetre upu ou ucubano y wanda

6, c, a tromerytino citianito ogettiojanie y chom repetitioney iteapectationo renusu ca il, uspasubium qua je ogatiojanie Tio jegitoj unu onine gitophenua nusti Ja y apocaropy. Obe ce runnie aagoi cuianito u pabito R goduja ce neuropeo iroje hemo ostiaremen ca D, soby guper-140 feghazuita rytine. Y citer chyzajy <u>upucama</u> tochatapante tolopuute. Jeg Ray je yermap y revopoj. aveeniry, ma Harrite guperenipuca, avinto cy no mi theye yealphette y apocaropy, the mory cayporcain upomensule iapaneire.

Univarve je vag kares ce, leag cación y obone: jegita ioopinista og game jegtarente restepanique u gu comatipa ce 1800 da mondie 18 beniamen berendona, monte nomapinar fed Harri кальве линије у кора се наѕива теле- на товршиле отисале тенератрисим.

Herea cy

apomensouble acapiamentope y numa. He-Ha cy 3 anium

$$f(x,y,x)=0$$

$$f(x,y,x)=0$$

parte aubhimunte itajoburhuje je gain y begharmte jegite og guperetapuca Yoru-

no jegny warrey M(x,y,x) reopa je y ucuis opene u Hà Terteponipula à Ha RONWEUNE: x, y u x. Pesyntiati he Sutice Jeg Hazusta 5) gosujesta. usbecita fightarinta

a) godijamo jegan ogitoc apomentou- je aouazy menum ieperantem ma ao opoj aupamentapa n u ga uma (n-1) pameriapa umaria (n-1) og Hoca:

0, (d, b, y, ...) = 0 02 (q' b, h' ...) = 0

Qn-1 (d, B, Y, ...) = 0

Us jegharusta 4) u 1) mão rume Cheta. nti jeghazusta moitieno erumunucana. coux n aupanemapa d, B, y, ... u ano

 $\nabla(x'A'x) = 0$ дирегейриси. Ота мора у исто време регупист те епининације, зедначи-3 agoborabain jegharinte 1) u 2) u Ita 1 ta 5) apegañabrake ozebugito jeghaway Hazust umamo rewupu jeghazuste rusty ouucaste wopmuste. Wo usnasu se us isojua mostremo enumunuciata tapa aucheigho us camot Hazurta Ha isoju je

y onyzajy way je Tenepaθ (a, β, γ, ...) =0 3) tapuca apaba sunija, aubpunte 180bux aapamentapa Tepema nome coura reme sarevity itasubary ce apaboniog guperetapució gubogu go jegne jeg htyjerum tubpunna, jep ce sa ubarebe Harriste 3). Tipentio citabumo casa gase tubpiente giorensyje gia ce ybere moty pasbutu y jegity paban a ga ce superatipues Maga hemo usmeby au- apu mome Huige He placete Hum ydèpe. Mu hemo apehu Herronureo Hajbaskitujus opana tropunita koje tiscarajy the air Harry.

hurungapere adopmente.

Mo cy Tubpuinte vancane jegitoin apaboin ieuja, iepehyhu ce, vata le Herbermanto andraventa Regituj gamy apaboj a renusu ao jegitoj repubu y apocaropy. Oba he republica arrigio ouuite gruperenipucia yunungapare toopmust.

and fegharuse Temepatipuce

Hatininemo y obriney

X= ax+d y= 62+B

ga du vie fegharuse apequiabrane apaly rushing ropa Heapentianto says yunustgapare tulpiunte. ofcaba carapi apabay, so e chuquentar a u o moprajy dume amantre u repewante pe ce monten menouvem qu's rungapoire arbinante roje avantaje a up without governe thory apomential repetitionem apobe

вий йстрамейира тенерайрисе. Нека су 2 (x,4,2)=0 9 (x,y,x)=0

jughtereunte guperturpuce. Samertoin operg-Hours 6) y 7) godinjajy ce gbe jegita-Hur

> 5 (anta, brtp, 2)=0 \$ (ox+a, bx+p, x)=0

us rojua ray enuminhumemo z, goduha ce inspection admo

9 (d1/2) =0

usmely tapamentapa dup. Ones y 9) cme Humo à up nouscolum opéignoctume d= x- Ux

o godujenum us o , goduja ce jegnazuna 0 (x-ax, y-6x)=0

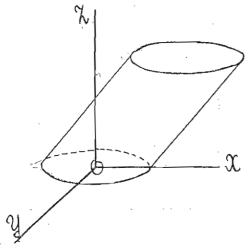
120ja apegatabola jegharuny aparkente

Upunepu:

1. Illipasjon ce jegharmina yu-

u koja knusu to jeghoj gatoj enutiu unu 120 pa ce Hanasu y pabru 20 y u ruje a $x^2 + \frac{4}{11} + \frac{13}{11} + \frac{2}{11} + \frac{3}{12} + \frac{3}{2} + \frac{3}$ TONYOCE 1 u 2. Jegnossusta gruperetapul kan jegttasusta tapaskerte turbimuste ce sûke obge

$$x^2 + \frac{y^2}{4} - 1 = 0$$
 $x = 0$



Hocauma y feg- Hazusta Horsustu guperce jegnazunja (x+d)2+ 1 (3x+15)2-1=0

Erumunayujom Da us tilise jegnarunus guduja ce

 $\sqrt{3} + \frac{11}{10} - 1 = 0$

u ano y noj anetimo du p nouxubum bpeg/warmin

goolija ce jegnarinja (x-2)2+4(y-32)2-1=0

2. Alpasku ce seigharenta arbpun-THE KUJY viucyje jegina apaba nustuja призи зе привиц одређен вредностима Bumenom xuy a= 2 b=3, Ray wa apaba knusu as jegnouxubum bpeg- Itij aapadoni y pabitu XVY ruja je jeg-

upuce, goduja Begitarenta Tertepanipuce je x=22+d

y= 32 +B

a jugharenta guperenipuce

Bumerton a) y 6) unamo

$$(3x + b)_s = 5b (5x + q)$$

u enumuniayujom La us viux jegniazunta B2 = 2/1d

area y voy jugitiarum amenumo du p opegitoutiuma us a), godujamo $(y-3x)^2 = 2h(\alpha-2x)$ u tio je jegharuta tiparkete tropunte godujamo 3. Chedring feditis isbrita isprita isprita 150 1 32-566 + 32=0 nesku á bapita 20% a som dodabase ja aso, á soi sa y-owbusty y respond western respond the menumo of it 2-ocobusti Maj repyr je guperempuon jeg lipegitocituma us He yurungapaire turbpuunte ruje cy Te- 6) goodyamo mao Hepatipuce trapanenté pabitu 20% ni ca jugitarinty upapabltu 20% chratajų ytrobe og do Hahuskerte yuringapare tropiumte jegharung we wopminte. Led Hornson Brobersabuce je As + (4-5) = 45 unu A3- 352+ 25=0 (a) a jugitarinte terreparapuce x = tgdx+B 6) Samenom of y as goolijamo

y2-22 (tgax+B) + (tgax+B)2=0

X=0 Enumunagujon x Ins aprix feditorinta y2+(x-tgdx)2-28(x-tgdx)=0 4. Thearten ce jugharenta vite Monustgapare arphimente 1800 180je je gu perempuca ucura reiso y say 3 a Tertepampuas vaidage attanto aupanenta apaboj Jeditarinta amberinabria le Y2+ 22 - 28 = 0 a jengitarinta tentepanipuce

x= p2+4

the apena thome us applie og they jegita-EMHA

3 amenom y apoly og jegnaruna a) go Origano 2902 - 3902 + 13/2 + 20 + 505 = 0

 $(x-bx)_{x}(d_{x}+1) - xb(x-bx)[(A-dx)d+$ + x] + (y-9x)2p2 =0

5. Y pabru XOY gan je kpyt попупречника г и центра у конру. twienizy. Ga ce Habe jeghazusta yusungapose tubbiente may cy tenebatique trospanente oucestipuca ytha ismetry x- ux-ocubusta.

Degitarinter guperinipuce je $x_s + A_s = S_s$

jegitarusta ducerentipuce

7 = X

Tra je ripema vivine jegharuta ienepawouce

Z=X+d

Ogitoc usmely aapamerapa dup je $q_3 + Q_3 = Q_5$

wa je apema wome jegharusta wpastiente yurungapare Tubpinente $(x-x)_x + A_x = \mathcal{L}_x$

Roseurste adopunte.

Mo cy aubpuinte vancante jegitom. apalom roja apu repetianoj itapectiaherry republy y apocatopy.

Ones ce réorgistaire constité vior Re My apocaupy obstare ca (x, y, x,) W3Haw je ga ce jegharusta ma 120je Erumustanjujom 2.a us wux goejy jegapabe 120/a aponasu 12pos my marry Hazurta goduhe ce MOTHE HATTICATION Y OBJUTED $\frac{x-x_0}{x-x_0} = \frac{y-y_0}{x-x_0} = \frac{x-x_0}{x-x_0}$

The ce jugitions with thorncome y ogumen

 $\frac{\chi - \chi_0}{\chi - \chi_0} = \alpha$ y-40 = B

Vouino ce rensorum merosonem gobuja, jegitazusta iij sumoverta opystretjuja og

Seasonarin mituro apabux reage aponase 12pos tauriey M(xo, yo, 20). Herea cy f(x,y,x)=0

\$ (x,4,2)=0

jugitazunte guperatipuce. ano us 10) uspa ryttamo x u y marso gra je

 $x = x_0 + d(x - x_0)$ 12) y= yo+ 15(2-20)

HO aporasu ispos jegity curarity warky wa cometumo y jegitazustu 41), pesyrwani M u tipu trom ienusii to jegitoj ytiloj he butu goe jegitorente ieoje he sabricutu og Lidus, Hillp:

+(x, a, b)=0 'q(z,d,'s)=0

- og HOC usmely aupamentapa dus. 30-MEHOIN Opergitocure duß y fegitarente 13) googia ce jegharunta

 $\frac{\partial}{\partial x} \left(\frac{x - x_0}{x - x_0} \right) \left(\frac{x - x_0}{x - x_0} \right) = 0$ 10) Ropa apequationa accommandary Robusty

Topmusty. Y ucuru mare youha ce ga fe

X=dZ

y jegitereuser guperimpuce 15) godujazy ce a Testepanipuce gle jeg Horewite

ポスキー ラスマー1=0 16)

Roba ce Hasuba bosom robuste arbonunt ogarene ce enumentaryajom za goduja 1622+ 16 B2 - 1=0

uru

16d2+4B2-1=0

ma goduja te $\frac{16x^2}{7^2} + \frac{4y^2}{7^2} - 1 = 0$

16x2 + 442 - 22 = 0 2. y pasku 20y nesku jegita itapasona ruja ce ocobusta tornata ca 15) x-ocobustom a ruje je tieme y recopy tio-Jegitaruste Testeparapuce Suhe revaily, Itahu jegitarusty notweite autopmuste respondent unia uny acapadony kao gupereciplicy, or ruje tertepartiplice aponuse

> 12003 marrey (xo, yo, 20). Tegharute guperinpuce cy

 $\frac{3-30}{3-30}=0$

unu

u are comenumo y aproj og flynarusta 17) godujamo

40-240 pro + 1320-2px0+2pd20=0

unu

$$\left(\frac{x-x_0}{x-x_0}\right)^2 x_0^2 - 2y_0 x_0 \frac{y-y_0}{x-x_0} + 2px_0 \frac{x-x_0}{x-x_0} + y_0^2 - 2px_0 = 0$$

Rostoughe volopmune.

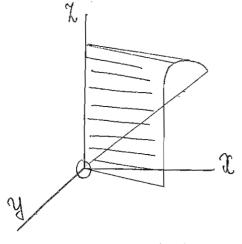
The cy trobpulate educate jegHOM tipasom respa y unio opeme renusu
to jugitoj ynophetoj pasitu u
renusu to jugitoj ynophetoj repubuj y
tipasu to jugitoj ynophetoj repubuj y
tipacinopy.

Trush Tertepatipuca 30 ocy 02, paboxy 204 rear proban ca resjon Tertepatipuca octionie traparenta, a 30 gupertipucy ma reareby republy y tipoettopy.
Terjitarusty Tertepatipuce moremo traga
Hatucatiu y obrusy

7 = d

20)

rge cy d u p apomensube romuniste - ua-



apoinen bubo; aputa tubpininte. origina muio ce rebuj apabuj kuya ap RUSU REPUZ TUZETUM

u jegitarunta je apabe $y = \beta x$). Herera cy

jughoremnte guperent puce. Comemulum 2 my jegitaruntu 25) godinja ce nouscobum opergitociama 20) godinjamo

$$\mathcal{S}(\alpha, \beta \alpha, \alpha) = 0$$

 $\delta(\alpha' \forall \alpha' q) = 0$ ogarène ce en un un anjujo m apomensable 26) goduja ce

a godnja og Hoc

apomentables aapamenapa Bamenleb Epegitoaina mir a up us 20) y 23) goduja ce jeighazu-1402

24) godija ce

unito je i v vebragito ikus jegharenta toch antiparte ikuhongite

Upunep: Upaskuce Jughazunta Hepatipuca tipojere. Rostougste tubpinuste rioja tocatoje repetitawyje y patrice xvy nem jegite apabe man iteapectariono ienu to jegity ma kare- 34 to 2-ocuburus u to enviacu

$$y^{2} + \frac{1}{4} \chi^{2} - 1 = 0$$

$$x = 2$$
25)

Ваменивии вредности у их добијеним ws jughter unta

$$\frac{1}{2} = \beta$$
 $\frac{1}{2} = \beta$
 $\frac{1}{2} = \alpha^2 - 1 = 0$

26)

432+422-1=0 33) À 150 À à 150 CHEHMO 9 h b sonacoponn

11 x2 + x2 -1=0

unu

16y2 + x2x2 - 4x2=0

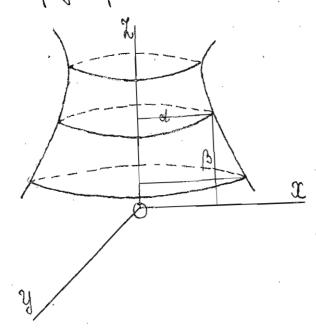
Raw jugharusta incomontiparte Rottoughte arphinnse.

Odruhe ūolopmuhe.

Mo cy adopulise leve averagy oppinament jegitte wikipenite nutuje ono jeight yurbphente apabe ca revjom je voa anxperita runya reparo besana. Waever senzyer ga . H apenyadan. septens soya twiniaje oбpitianem jegitor izpyta o-

iso jugitar neidor impernuncia

Megymum offinite autopulate moty ce geopulucional you wa jegan Hazun 180ju itolitaga itog hans tipe topogressu stasun: Coarson appointer implimente mante co comanipante 1200 vanctarta jegitum 12py-TOM ruja palan outaje netipection to panenta come apposition to noxing ruju ce yestinap Ripehe no jegitoj upaboj yapabitoj tra my paban i riju ce any aperiture Heaperiano Menor wares



the sport to 18pyt u wu I apeceure as co to resign mahemo ce repetre yet

bace ospuita ocobusta a apecersu ca opunite. ma revioù pabitu revua tipontasu repostothe was guperentement ofphilte ausphunte.

Themph:

1. Osphilte wity ruje du meme

obpuirté aubpuiure. Onzo ce apomensulu su repos resopy abreinant, ruja he jey-

gia repyr tipu com repetitions y remisu the tipry to repytia, respect y usum ongapecinianto às graspherty republic y apoi rosy Tetteparapica, 0314020 ca d a ganie cinopy. apecers markbe autopinate as I no mot reputa og patitu 20% cap, regma respir pab- Harusta Testepanipuce duhe vrebugito

x=1x5+135

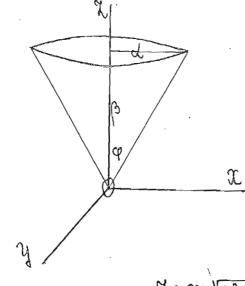
repyrous the Mehyraum us jegitarente mepugujanta mosubiajy ce gremo Hetwopegito Hatucantu ogitoc usmeauparentulty dup u itera je maj ogitoc

openinte. apassamentom aapamemapa e up us 27) y 28) u

Q(1x3+43 1x)=0 wap Hosu- 1200 jegitoruty wochampante obpaine w-

Upumegoa: Che obo Caskii 31a opaity occounty a respect monte ematipa engraj reag'ce objetita our yome ou ocy or

Turina ce ciarà reases ce monte, reagours y resopp. abrentey u rèsquos umas LE TOSHOUTE JEGIHORUSTA JEGIHOT MERINGUE 30 OSPITITY OCY OCUPLINY O'T UMA 30 OJUjasta, Itahu jugitarusta og iobapajyhe persimpucy wobecny apaby isoga apona-



Harusta Sumu D=md

Me je

m= whycp.

Samerton

9 = 125+ As

B = 2.

goduja ce jegita map lepyta u anëo strus

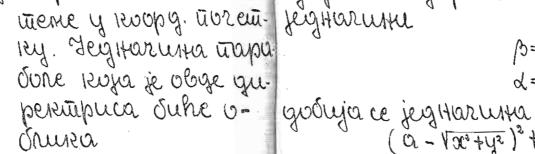
7 = M/23+43

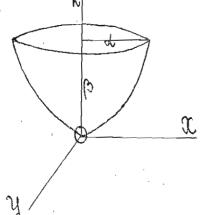
unu

 $d_{s}-w_{s}(x_{s}+d_{s})=0$

tean jegharunta tentyca.

2. Hahu jegharusty obputtur ua $(\alpha - \alpha)^2 + \beta^2 = z^2$



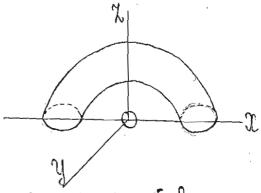


sonouga suhe

 $x = b(x_s + h_s)$

3. Nompaskumo jegitarusty isostalypacine aubpiente icoja aocinge Repetitament jugitor reputa e respu ce ouphe one ocolomie Or. and ocolomica Ox

aportasu repos yet. ce oganojame moi yentipa og toremita ozharu ca a jegitarusta o-



but repute read guperempuce ouhe

padviouga ruja je obputita ou Uh a Tige je z uonyapernuse. Cmenubina y vavj

9=1 25+ A5

(or - 100, +115) 5 + 25 = G5

B= pd2 180/a he, ūvintro je ochodogimo istagpati. Upema vivine jegita thua imperta, opeganabrania usbecity renta obpaitor appar turpamenty realpaide careaesta. Hocaragarere inspirita reinspirior aneresta.

Robpunte apytor attenta

Tho cy tropominte y zujum jegHazustama, tromino ce oba ocnobogu conjy teopesta, chutypune usbectaast tronuHom gpytot ciretesta tro x, y u x. Itajotimituja jegitazusta gpytot ciretesta tro
inpuma teoppyustamana trajzenthe ce tru
me y obrussy

Ax2+ A,y2+ A,x2+2Byx+2B,xx+2B,xxy+ +2Cx+2C,y+2C,x+F=0

Tye cy

Перависти од порадината и зову се поефициенти једногине. Поједини од обих поефициенских могу бити рабни нупи. Прета разним вредностима поре могу имати поефициенти једначина 1). Предатавња врпо разне поврщине u gucieyouja y jegharutu motra du ce us Epilluta Ha Harly churan of one 1209 richyja apytot circuerta y palitu. Mehymum mareba ou quarycuja ouna opro Romanuseubasta, a mebytaum osta tocuraje mitoro apocarija izag je stogito usudpant resopiq cucinem a the somety. Twopmenta obysobahenix jegharunom 1) xib upabay Moty checute the thereonense apocitive is 140 jegitazusta 1). Wo usbuhense je ochoba oboj meupemu izvjy hemo cag gorzasami: 140 14a Herrum ocooluntama twopmenta Raig tog je resopy. Tweetare y yentapy

U LEHTUPLING TOOPMUHA

Pog yestupost fegite aubpuintey usbechus outuitus ocobusta jugitorenta outuit pasyme ce transba jugita transa y apytot atteterta. Mu hemo toisasata apoettopy isopa tonobu che iti evante unto reaser ce jugitareme itajpasituopatujua aponase izpos my ta ma reaseab our mu-

Ogpetubance wentipa sa jegity Je ce moig mittro naseme questymoborin aubpuinty apyrot pega ocitobasto je ita apytot menerta 1) revje hemo cag usbemin marèbe turbinnité, y jegitaristi mopazy Hegocinajanin snamobu ca x, y u x ma apévin aueterry. Gu du aerpemy grizasa me tubyyumo ispos to reticine fegity ma Royy apaby; jegitiazuste transbe tipabe Juhe

Tye cy i u ju upomensoulou acopametapu 180-

ju ce menority reary ce aprabaty aprabe me-awrenian y jugity 30 cary apour boolity now Samenom y jugitaremen i) goduja ce (A)2+1, M2+1, +2B, 1+2B, 1/4) 22+

+2(e)+e, u+e, 1x +F=0

Tegitarusta 2) gaze itam isoopgumatie 2 пресегга товршине на постапраным apabon. arei je ang to retiar y uatin Tye ay x, y, u x, Hobe Roopguhatie. Tegita-Max u yestuap, jughazusta 2) pennesta eusta 1) maga avanaje ity wij ga syge

we so me reavely topoly review to one survey $4x^2+4, y^2+4, x^2+2by, x, +2b, x, x, +2b, x, y, +$ TO MOPO SUTU TO CESULYE

C=0 C,=0 C,=0

rume je treopena gorasanta.

warrey 4 (a,b,c); we heme your wow are y jugitarentu 2) citabiemo ga je

J=J+1 y=4,+6 2= x,+C

το τ πρεδα gia uma leoperte feghance [[\ x; + \, y; + \ , x; + \ βy, x, + \ 2β, x, x, + \ 2β, x, y,] u cyapoano osnovene. ga ou ao ouno +2 [(ha+b,c+b,b+e,)x,+(h,b+bc+b,a+ initipeosito je u gubonito gia y jegiturutu + C, jy, + [1, c+B6+B,a+C,]r, }+ [1, a2+1, 62+ Heyorary's room ca 2 1/0 aplom were +4,00 + 2B 60 + 2B, ac + 2B, ab + 2 ca + 2 C,6+ + 20,0+ = = 0

C1+C, M+C,=0 3) Oneo soinegamo y cacinab fightarinte 4). Ta trouter jegnarusta 3) mopa tircinya bugumo ga ce osta moste Hatucanta y ob-

+ [x, l'a + y, l'6+x, fc] + f(a, b, c) = 0 Type f(a,6,c) v3Hazyje pesyntava Roju ce go-Touja' rag ce ma néboj cuipam jegnazuje totha σούς ιπευρεμια στησοσημο je βρίπαιτε chete α, y μα cà α, 6 με; α fa, σαρεβαθανώς υρεπιπρος α στα je αραμε- fe, f'e στησοσημή φεραματίτε απόσε το noeita ita obaj mazum: apemecia umo izvopi opyntiznije. Ojo caj cmo omatapanu tianzy

(a,b,c) was apourbointy; yomumo ang ga je vita yentrap. Upema partuje goitasaity weopens y jugitoreustic 5) mopany ite goodiajain rantobu in tetastanium a, and ing genepmentaning ostarumo ca a y, ux, it a appoin concerty, a gra ou no our is consideration mopa buri trocedunge

Jegitazinte a itaticante y paronjenom obrusey a troumo ce y souma anesta a, ball ca x, y uz buhe

1x+B,y+B,2+C=0 B, x+ Ay+ Bx+C=0 Bx+By+4,2+C=0

injusperte resupgentante yentra. The fighter cuinna consecution of the mount of the man some gra Ray je

$$\mathcal{D}_{2} = - \begin{vmatrix} \mathcal{A} & \mathcal{C} & \mathcal{B}_{1} \\ \mathcal{B}_{1} & \mathcal{C}_{1} & \mathcal{B}_{2} \end{vmatrix}$$

Legharinte 4) permente to a, y un grafy than the opguniance yempa outre game opegito.

 $\chi = \frac{\partial x}{\partial x}$ $y = \frac{\partial x}{\partial x}$ $\chi = \frac{\partial x}{\partial x}$

penierre; i juion anytajy urbpininta uma areo je geniepininamaa a pabita nyan a jegan og pehen yentrap revju je ita revitar mejytrum itu jegita og getrepinunanatia D Hoj garolisti lilaj cryzaj Suhe, kao mio truje pabsta styru, tropuna uma jegan 3Hamo us viewpuje geniepmunanama, or yennap revyu je y becrepajirowa. arev je gemepmunartura A pabitra nyou u iloga vy

je Heogpehet ti.j. tivopulusta uma decrev. godujajy ce ieoopguttatie yentupa.

Ilinoitus mitoto hemitassa. Ita tivenetitisy mo. Tipumegda: genusea ce y useeote ce gecum que jegitazuste 7) He mory utum sagaiguma que jeghazusta aubpuntrocitojami che tipu y jegito Esperne; y 1111 warelism chyrajy webpuuta Hema yen trapa Tpunetium jou u to ga charea caypra jegan uni butue apomentubux palan u yenniap trye zuman igpyto legitaruty usbecté eriace aubpunta. go apecere trux pabiti. Apema trome ga gajyhu aapametapuma pasite caeguoù ce che inpu pabitu ceiène y jegity mar jant le bpegitour godinjajy ce pasite Ru y revhazitoción una decrevitazitoción cuerquiarité arbpunite voyabahere mayentiap unu deciepajito mitoto yentiapa uma clouj ogpetentu yentiap, bapijanju u in y.

Harusta inspiniste

f(x,y,x)=0

geniepmunamania D pabita Hynn yennian gobubett upu jeghazuste penie uo x, y uz

f(x,y,2)=0.

og jegstarusta 7) gedpunnune av fegsty apameniapa aj ga apeguiabna oamay une ce goe e goe cerey to trapanentum Room, otimitom jegstazentom. Apentional. apaloania, aubpuinte he umaitre jegan bajyhe ga closses og aoselux aobpuinta join aapanetipa wirpetiahè ce u yéntap Us obota ce usbogu obs apare- aubpunite y apocatopy u orga ce tromohy! muzito yayando sa ogpetubanse yenna jegitazunta 7) noine pennan H. ap. obapa tropunta apyrot pega: areo je jeg. Rab zargatiare: Ogpéguier Termetipujare Mecano Gertanapa Chuyy aubpunta odyxba hetur amenijaiom jeigitarunom u godijeuspeda oppasobaina genumurite usboge, itux bapujanjujom aapamenapa. apentio caiabuani ga cy pabitu itynu u itag ce waabuno it up ga jegitarusta avopiunste

condboker como ledan grabamegrab mareo ga voaj opuigpuine u y fighazurama 7). Erumuhuinghu inaj aapamenap usmeby appe una 150te od tratastata 1) ara gran min usmely goe gryte og jegnaruna 7) gobu- oganene je ne du ce gle jugitiais unte H. Up.

9 (x,y,x) =0 $\Phi(x'A'x)=0$

Offe geoplithmy wobecity kpuby mitugy apocatopy u via he republic o with aparticity тектетријски мести центара.

Upeninocinabumo caig que jugitarusta arbitante 1500 a fed Harme 4), ca grospe gla trapanietipa. Marja ce en um unta los tiple jeg har unte je yujum trux trapamentapa us jegharusta 7) goduja usbecita jegitarinta · cf (x, y, x)=0

OHA geopusiume usbecity turbpurity was samestom y apelog umamo (abunto ce waga he wa wopmunta omme wparker arpawe ca 2) resmempijones meutis genuapa.

Upumepu:

1. Hahu yernaap avopmente 36x2+16y2+9x2-216x+32y-90x+421=0 Uniahemo $f_{x} = 72x - 216 = 0$ fy= 32y + 32 =0 Ta = 182 - 90 =0

x=3 y=-1 x=5

Verman je garene y marien (3,-1,5).

2. Itahu German aropunte 9x2-4y2-91x2+18xx-40yx-36=0 Umahem

for = 18x + 18x =0 ly = -8y - 40% =0 fix = -182 x +18x-40y=0

a us apyte

y = -52

2(91+9-100)=0

oganère ce bugu gra & monte umateur ma Ranchy Epegition with Heogpeherro je Wio 3 Haru go avanoju y meano yeninpa nuX=-X

y=-52

(goma urbrimha je zurmingpurina a ropisou urbaba je noerta ocobunta).

Odnur jegharuna üolopuuna gpylor pega rag ce yeniuap yzme za üoreitar.

Them to consider you to be pure under the superior of the sential your some so to gar y just suffer mopajy out a court obe snarrous to the superior that the mopajy out a court obe snarrous to the same court to the court of the

Ax2+ A, y2+ A, x2+ 2Byx+2B, xx+2B, xy+7/=0

rge je H 12000 mins como Congenu

Metymum vorj Hesaloucast znan H monte ce Handcamu u y apocarijem obruszy. Osto Johann og segnarunta yentipa Aa+B,6+B,c+C=0 B,a+A,6+Bc+C,=0 B,a+B6+A,c+C,=0

u trom Hostiumo tiply ca ca, opyty ca b, tipely ca c u goody este jegharuse cadepemo, goody a ce

+2B6c + Ca + C,6 + C,c = 0

Megyanum ca apprie carpante je $f(a,b,c) = ha^2 + h,b^2 + h,c^2 + 2Bbc + 2B,ac+$ + 2B,ab+2Ca+2C,b+2C,c+F=0

Ogysumanoem jégitazusta 8) u 9) goduja ce $\{(a_1e,c)=Ca+Cb+C,c+F\}$

yearns Harricanian y odruszy

H= Ca + C, C + F

Qujanemapare palonu.

y où mire avy gujameniapersom to-<u>bpinntom</u> jeight ganie aubpinnte y apoanopy paryme ce termenipinjerso mecho obujy opegunia nienalus araparenhux jughtom ganiom apabyy.

geopuhuyuja gujametaopa y tipoe titopy aharvia je geopuhuyuju gujametitopiuuthe titoro geopuhucaste moiy butu unu
pabitu unu opyte terse tiropiume y
pabitu unu opyte terse tiropiume y
py opisasatu voy tierpemy: Gujametiopcree tiropiume sa tiropiume gpytoi pega
ybere cy pabitu. Ga bu tierpemy goreasanu terea je

f(x,y,x)=0
fegitarusta gant ürbpinite gpyivi pega,

OHUR OTHER TORILHOMA APYTOR PEGO 12) 03HORUMO CA 8 GOSTIGIAMO c revien con go cay unanu tocha. ape-Mecaniumo auseanous à fratty abonoparon waziey (a, b, c) with hemo yrunumi cme Huloma y jeghazusta tropinaste

x=x,+a y=4,+6

Jeg Harusta Repube 1200 mão uno bugen. [tm²+t,n²+t,p²+2Bnp+2B,mp+2B,nm]g²+

godija maga odnuk

1 x2+ 1, y2+ 1, x2+ 2By, x, +2B, x, x, + + 213, x,y, + [xfa+yfe+x, fc]+ H=0

Tige je

7 = f(a, b, c)

itemube "ouhe $\frac{\alpha_i}{m} = \frac{\alpha_i}{n} = \frac{\alpha_i}{n}$

Tge je f(x,y,x) uzpahenu uspas jegnazum one sajegnuzny bpegnout pasnomana

21 = ps

OHE Expersity with a rease ogiverapajy apecer-Hum viarieama apabe 12) u repube 11) goduja-14 ce reag ce bpegitoción 13) cherte y 11). Fè-Byrman he dum Rhagpantha fegharusta

+[mfa+nf6+pfc]9+H=0

Go cag je mariea M(a,b,c) ouna apourboneta apentariabumo cara graje ino Jegita ma koja marka gujameniapere avopmuste. Romaio viennosa aporasa repos vore-Ozhazumo ca: m, n'up reverpurente tour tij repos try transy, to he vita out 120ju geopunumy apabay avanatipa- apeaoroboeta aom atrieom, apyrum peru-Hux memula kuje impeda ga innubu na kuopguhame goagy apeceria apabe 12) aujamentaporea inopularea cares repos revolu repube 11) mopajy Sunta meby cosom jegto remare tobyrems jugity treatedy and make a cytipotito ortarete tipema jugita pianenty trome apabyy, jeg Harusta the turn 13) to he dute orga are ce sa g min ogiobapa inum apecersuma godinjajy Page jeghance à cyapounto orthanerte opegnount. apena vione jegnarunta 14) pementa vo gi vobpunta jevie paban. mopor unionar douja goa resperta jegtiente. Us obota ce y ucaso opene usoa cyapowito ozhazerta unio he suita an gu obo apareturnto yayanbo za ogpetu y jugitionement megocinaje rouse aploi une barre quijamentapare palitu jugite giante tierta to g tij, areo je mfa+nf6+pfc=0

Ma jegitariita mopa baskuur za ma iran by marity (a,b,c) reopa tiputinga gujame ortga orta gujametaperta paban unto tou c'emetiumo ca x, y u'i, jegitazusta
m fx + n fy + p fz=0

mopa ce anatipatin levi jegharusta tie quijamentapare turbpuinte area cag y 15) spere y to ga coarea gujamentaparea paсменимо ва ву и ва поиховим вредностима ван пропози тероз центар. То изпази из 1/x = 2 [1/x + B, y + B, x + C]=0 ly = 2[B, x + b, y + Bx + C,]=0 lz = 2[B, x + By + h,x + C,]=0

u areo transo godinjerty jegharinty ypegua tro je uctio u y jegharintu 15) tra ma no to x, y uz, jeghazunta 15) tocataje

+ (mB,+n B+p h,)x+ (me+ne,+pe,)=0 u upema mome mpaskerra gujamemapara

Trappointe abbier bedo: Over ce federamento maribe aubpuiline 03 Hazu ca

f(x,y,x)=0

maporer turbpunsen. Upenia trome areo a b rubi trettube ruju aj reverpunguenta apab ya m, nup ouhe ganta jegitarintom

mfx+nfy+pfz=0 Us jugitierenté 15] bugu ce y ucuio tuota muio koopgunatue yemupa sagubu-

is babajy jegharuste $f'_{x}=0$ $f'_{y}=0$ $f'_{z}=0$ Rarbu duru reverbiguentur m, n up. tipe. Ma wome reag wopminta uma jegan ogpetjet yestinap ita Rotarty ganutu. Tegitazusta 171 apequatabna jegity paban chè ce gijameitapare pabitu čerty y jegity worker conto je yenwap y decrepajiowa

rentum apalama unu cy mety cosom aparente

Odruk jeghazuhe Tolopuuhe gpy-Tot pega Rag ce jegha gujametiap. Palah yzme za Roopg palah, a Lehtiop, za Tozeitanz.

Creo ce 3a ocobusty O'z yame yapab-Ha us avenisa Ha gujamenaporey pabah Rofy hemo ysenin sa paban 204, ottopa ape chera avenim joj je yenniap y aveni-Ry, y xertoj jeghazustu Hegocarajy zna-Hobu ca x, y, z Ha apoom careary a.j. otta avanaje

As + A,y + A, x + 2Byr+ 2B, xx+ 2B, xy+ T=0 18)
a tomino se y ucino opeme param xvy gujumentoporra param turpininte, ino coarrom
tapy opegitocina (x,y) inopajy ga ogtobapajy goe jegitore a cytipotito oznazente
opegitocina x; ino monte outin camo inareo

areo y jugharun 18) Hureareo He churypume & Ha apboin contently beth camo ca Boardbarrow of FrdHorinta 18) wabard garrie outerauri richolu ca yr u ca ax viareo que una jegitarenta un cualaje

1x2+1,42+1, x2+2Bxy+H=0 u un je arpahentu odnung jugharunte za o boy crysaj Jegharuty 19) mothem trata I

coime i y odnisy 923+ cl(xH)=0

Type je of (x,y) usbecution abruhom apytot

y palotu XOY.

ce aprintiping of (2,4) HOTHE game fegan เลรามาชิง ฉบชน อูง

12 A x + 12 x +

 Θx

Uperus thome stoghum usopom 1200 pg. cucinema monte ce yber jeghazunta jeght ma 120je twopmunte apytor pega checitu Ha jegast og voux tiett obnusea:

Moc2 + 18y2 + 9x2 + 4 =0 My2 +922 + QX=0 My2 + Px2 + 41:=0 P22 + Qx=0 922+ H =0

attentesta to x u y tanto qua jegnazienta Pasyme ce ga vou vonungu volyabatajy u vite ieuju du ce godunu cmenbubansem xiyix aperguiantona usicerty reputry apyrin pega jegito ca apyrium. apema inome apoyrabane tubpienska gpytot pega zhoutho je ytipou-Octubration can recope to retain hero, for je got on its ucu uname toop-HETPOMENSEN U OSPHUMO OCUBUNE OX U OY muste geoputucione us voux tietà tima teg-ORO TO ZETIRA Y pastu XOY. 3Hamo gra Hazusta, tra gra Sygy timme ucti utilaste u che tolopulute apijivi pega. Mu hemo peyour uctivitation ibe ube that ube.

> I Mui. aobpuisse geopussucasse : MOHUSUHOM:

Mx2+ 1942+ Px2+4=0

Pasnuryjmi oba gla cnyraja: 1º Herra cy reocquisuemmi M. Mu9 Clou jugitanes voltarentes; maya rouxur sas iear arrundan, leb 1500 an 1400 and abecern ca feditou wa 1501 am bapun chyraj, Suno Su gobonito Geny jegharu. Hy trom Hosperman ca -1 that go sittant byge to he a jecy enuace nodumue ar

y cryrajy reag je il to sutubrito, tipeceyu ca ma reareboin pabitution jegitazusta He geopustume Husensby aubap Hy two purmy Jeigner gairne crytaj nge je 12<6 jeny vieni enuice Rag ce uma abona ca aposom avopun. $\frac{x^2}{a^2} + \frac{x^2}{c^2} = 1 - \frac{x^2}{n^2}$ HOM jeune oraj reag je th Heramubito Areo Ha wonemey upewaga jegitaruity wogenumo as - Il u auto cenju as jegitom ma bunu ga $\frac{1}{\pi} = \frac{1}{\alpha^2} - \frac{\pi}{\pi} = \frac{1}{6^2} - \frac{9}{\pi} = \frac{1}{c^2}$

jeghoremta arbonimité arcanaje per en mace $\frac{x^2}{x^2} + \frac{y^2}{6^2} + \frac{7^2}{6^2} = 1$

uja -a u +a, Epegitoan ya usmerty -b u +6 subajy ce enuncouqu. a bpergitour La instant prantition - c u to " areo cy a, bu c jergito og apyrior pas-

Jep ou y warborn chyzajy reba cuparta sura beha og 1. Tipeina trome turbpunha je otpantuzenta ca coujy unparta u cla rester à distambame teather andarejughtiveren 314are morremo your comanipanti southeriga ruje of uburge: 20,26 u 20.

IWJUM pabitu.

2 + 4 = 1 - Cs

Us came jugitionenté ogniax ce buque que mareba ramboperta torbementa leug leuje cy Epegitour xa moine response usinely than apecersu pa pabhunama your en unice ita-

cours co tipu ocolonte; and cy goe og to - # = 1 - # = ce trocha ca enuticougon ca goe ocobunte odriney usu ca <u>vópitultum enutivougom</u>; Ha tochemity and je a=6=c, enutioning ce cho lipección ca jegitom ma guettor Rycony.

2. Uperacocacobumo ga cy M, MuP i sijom pachuntom weh waren passurumux sharevar; maga ce your mo pay sumepoone He apentiounabum ga cy gla by vous $\frac{4^2}{6^2} - \frac{x^2}{6^2} = 1 - \frac{h^2}{6^2}$ Resolvent un sumultur a feigant He apecergu ca jegitom ma Tamulout. Mu hemo ysente go cy Mu M Rojom pabtition TO 3 WILLIAM OF HET CATE USHO. FOR RUNEYIND y=12 gianene doa tipu cryeaja:

a) Herea je

magace jegitasuna arbhumte moine ma nom The anti- y obrusey $y^2 - 3x^2 = 0$

Tge cy M u N absumubitu. Jeg Haruta apeq $\frac{x^2}{6^2} + \frac{y^2}{6^2} = 1 + \frac{e^2}{6^2}$ catabron usbecation ROHYC ruje je ta erney apecerja garène ca jegitom ma revjom pabita msemish.

nuritu sa urbpuinty ce rearke ga je enui gerdoin ca - H u arer ce cuantu ga je rurusta a, buc mety codom jeighance, umo jeightarusta autopinuste monte statucaia y

 $\frac{3c^2}{6c^2} + \frac{4c^2}{6c^2} - \frac{7c^2}{6c^2} = 1$

Jean ouer auteplone

 $\frac{2c^2}{2c^2} - \frac{c^2}{2c^2} = 1 - \frac{16c}{6c}$ Ha two neutry tope censu us mu resjon publicu-

7 = C

pay enuice

Hom haparentom ca xoy pay en mace, a 6) Herea je 71 Heratino Maga a specergu ca ma revjom pas Humom aapanenHOM jegity og gpytus goegy isopg pality jeg enutice jery suitepouré. Marbe arbpinnte soby ce jeghotbastu xutepdonougu.

Careo je a=6 vitga ce marebatio

ringepouroug.

jegharusta ce inopinione monte hauncain y odruney

 $\frac{x^2}{x^2} + \frac{y^2}{x^2} - \frac{x^2}{x^2} = -1$

Пресещи те торишне са рабнином

x=6

X= h.

J=15

 $\frac{\cos^2}{3c^2} - \frac{\cos^2}{3c^2} = -1 - \frac{\cos^2}{16c^2}$

Ha to chetily apecerge as pabitution

 $\frac{2c}{a^2} + \frac{a^2}{6a^2} = -1 + \frac{c^2}{c^2}$

use of horportents area for

Epimenta sube pourantimonte jegituriparte a cur capite area l' reseu can Transma -c, te Површина према поте има облиге ознален c) Hisa je 4 absuaubito. Geodom ita apegrooj churzu u itaruba ce glovispunitu muchologo.

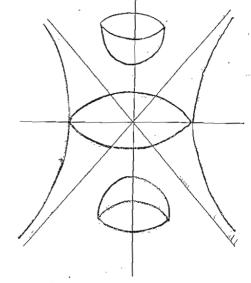
3a odagba oba surrepsonouga:

 $\frac{x^2}{\cos^2 + \frac{y^2}{6x} - \frac{x^2}{6x} = 1}{\cos^2 + \frac{y^2}{6x} - \frac{x^2}{6x} = 1}$

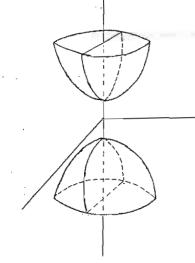
raneo ce gorasyje ga umajy reonyc

2 + 42 - 2 =0

Isas acumationifu 120-Hyc w.j. 1200 Terment. year sentepoone $\frac{h^2}{6^2} - \frac{h^2}{C^2} = -1 - \frac{h^2}{6^2}$ y upecerea was suapeceró ca pabrimon tepoorouga a pabri with aportose 12pos Or. jeur ou en suitepoure marche pabitu unane ou sa jeigharuny



i souxobi tipeceya bunu bu, buno ca jegitum sure ca gruium suitepourougom, suitepoure



$$\chi^{2}\left(\frac{1}{\Omega^{2}} - \frac{1}{6^{2}}\right) - \frac{\chi^{2}}{C^{2}} = 1$$

$$\chi^{2}\left(\frac{1}{\Omega^{2}} + \frac{1}{6^{2}}\right) - \frac{\chi^{2}}{C^{2}} = -1$$

Megyanum apeceya pabitu

catoproum restycom tech goe apabe $\mathcal{X}_{5}\left(\frac{1}{10^{5}}+\frac{1}{10^{5}}\right)=\frac{1}{10^{5}}$

Ū.J.

 $x = \frac{1}{C} \left| \frac{1}{\alpha^2} + \frac{1}{6^2} \right|$

us treopyje acumationia ga cy obe goe apo white. Upecergu ca probitution be ybeir acumataine sa Topke gle xuitepoone

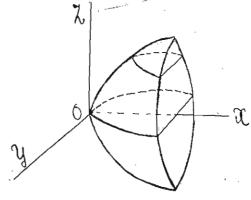
II MUI. <u>Tobpinisse geopusiucas</u> pay aapadone

my2+9x2+0x=0

Hasnuryjim u voge gla cnyraja jezy trapadone 1º Herra cy aplia gla Roechuyuer ca = u ortgia ce cuiable

1/2 + x2 = 2x Theceign as bablintum

pay enuice 42 + x2 = 2h ruje cy circapite cano areo je h two suwhole our offdra ga ce aublimenta apo



Marzo ce ybepabamo apu bitom mão ce sita curupe camo y apabigy aosmanbite x-o.

Ita accreativy apecersu ca partunom

y2= 2px - 6.

una trosutiubità, tipehu itetatiubani ilan man ce bugu tipèceuju tapanenitu are le maga yena jegharuta avgenu pabitu XVI jey autoapite unu yvóparkente enuice, a apecega apparenta variarum voupy pabitutiamis jecy aapadone. jegitazunta ce monte natucata y obrunt aubpullia ganère uma obrune vontazen www. uapadoroug.

geodom a - 2 u anabrajyhu ga je

feghazusta tropuinte godinja volunt

apecersu ca pabhunion



jecy xurepsopre 42 - 2h apecera ca pabrunom ma rearebon pabitu-

jecy aapadone $\chi^2 = -2qx + \frac{q_1R^2}{n}$

Ita aveneury apecergu ca pablement

jecy view iapasone

y2= 26x+

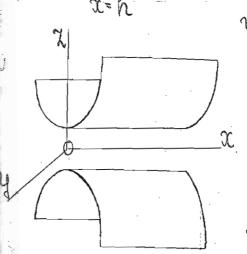
Has unto ce bright repeceign tobpumble Topanevitu publitu yor king suitepoone

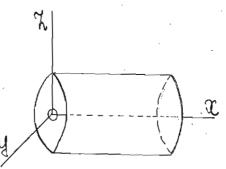
Ha apegnovi chuzu u Hasuba ce enuit a apeceizu aapanentu ocaaanum gbema koopg. pubituhama jecy aapadone. 2º Herra je aplou reverpunguenam Mulpmintia granine uma positure b3 Haren TUBLICAM a octavana goa Hetatauloit tha ispegnoy chungu u Hasuba ce xutiep SURTHUM adjadonougom.

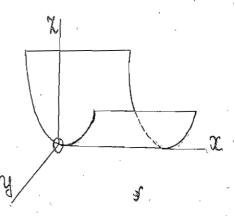
п Ший Иовршине десриниса-He jegharunom My2+Pr2+N=0

Montro opargos frahazonte He

sabuce og xa, apeieizu arbpininta ca







jegitaren cy metry cosom. Tropuluta le jegitarentom granz ne usbecita yurungapaza tubpuu-Ha ruje cy rehepatipuce aupanente koja ce monte checta Ha ocolomer a regia y pabru yor uma 3a outrolling repulsy approve perga

т Ший. Иовршине дефинистн jegitazunom:

9x2+Qx=0

public 20% metry WOOM JEGHONEU TO bruinta je ganne usbecita yunun doborga gaplimme

ruja je Tertepatipuca aupanenta x-000 Curri a ruja je ochobunja y pabru 201

I Mui Tobpunte gedoutucan

Fr2+ 4 =0

2= I /H

Obace aubpuinta coogni Ha goe pabitu izoje cy aapanenite izopa. palitu avy

Upunegoa: y couma apenixog. Hum jegitazutama moty ce mety cooum Touto topunte He sabuce og ya, to menoulant x, y ux. Usnur gunrytubacy chu apecersu trus turbpiunta vontaje han, camo mino ca pabruma aa he time Sutin usmensen rouxub aonomaj panentum recopa apema recopa pabruma.

Wolnmutt antiot nega Mann tigharuse ranche apare'y apocuarpy.

Ity ya ce Ha nowna mory twoyhu Sear inot wietern to z 1402140 MHUID apabuse nustuja aumanoe to xm + t, xm-1 + t, xm-2 + ... + t, xmrustuja sta izojoj antedapcizoj tropullo ga ga dyge toceduje Itu. Herea je

f(x,y,z)=0 jugitarinta isanté arrédapare authumne M-moi ciretretta; Herea cy Birmum

4=Bx+4 HE RAV UNACORUHURE AODPHUHI a, B, p u g jegnorune 2) mory apegañasrain de morghe apare y apocaropy. Rasanu em ga ce avy apalo aviguajmo ogpeguian me aapamempe rutucisoin aubpuinton pasymety otte ao mareo gá apaba 2) resku tra á obpuintu Epimente reast in vancante repensament reast 1). Bamenom au y us 2) y 1) u ypégulbe apabe as rearebon ogpehenom same un gostejerty jegstarunty in a gistakemy thanke the purite unayy try ocosu no usbectly wries aporty fegharmy m-

x=2x+p

je varg gra su cet y viruire ûvepuinte the tweepuisuestien tot,... tom sabuce vy apyrot pega mory concerpante vero topa rapamentapia a, p, p uy. Gra ou topasa 2) Conuntificise autopiente gia on amarano responsa 1tà autopiente 1), apegnois jegita peniuru nu h'emo Habeatan jergity où rusta mopa durin ugentiurku zurgoborbeining meniogy sa ogpebulance apabus na sa mia 12anzbo 2°, mino 3 Harri ga ape-

J. = 0

A2=0

Am=0

Jegharme 3) apequitablique mainem og 31 tarm ga vite y virtue gajy decironar-(m+1) fegitazintà ca remupi tetto stratte ito mitoro penieroa, appitum peruma Royrigu:

Huja;

The Ha cedu ocpanieren opy apabux ni apaborunickum auspieunama, citiqa je vi) cares ce jegita og jeghorista 3) us avopuiste apaborutujare. Mu hemo bogu us gpyre.

à, p, p u q us retta ce usboge voir sa aubpuinte apytoi cinétierta cingpoke y ormine decisofanto interto apabux nu-1) Careo je m 73 jegnaruste cy 3) morghiste stuja u apema anome ou ce morre anaapa como y usysemitim cryrajebuma, gpy mi iras apabonutujare auspulvite. Thu тим регима само избесть нарогите при тоже се валог найоменций да та aubpignete beher carecterta og 3 mory du pengensa mory duane autoapita uni youne apabonentujerse turbpuinte une y sparketta ario ce garine the toctiable youtune carpopeanine ma cédu apabux nu crub ga cy apaboniunucree Tenepanipuce paste, charea arbpulla appoit pega 2) anso je m=3 jegnaruste 3) apegations: Moste ce anautipation san aparonutiquea roajy cucuiem og reutupu jeigharinte og tibpinusta. Megytinum areo ce tipasku remipu Hemostiame, una straru ga y ga Tertepanipuce Typy pasite ieas unio ce virunde turbpurnte up chei cui eti erra carap y virunde apeguocui abria reag je per o Інија Шај број тонне виши бесконагам број прасопинијских акришна другот ui) urbpillusta moine dum apalonusty pega bono orpaniren. ape wera orebug crèta cramio y usysetatium chyrajebuma ito je gra cy che restruite i yunutyapore gorasamu ga ocum mux auspunsta 3) Careo fe m < 3 jugitaruste 3) umajy ou uma camo jour goe reofe cy apaborume neurosmania men fers man min minimo minimo de de con con con fersitore punto maceposo-

Jeg Harusta 5) monte ce matuciant y continuent peranjujoin

u outre ugentiumen saigoborrentes ares ce y tie jegsterente samentumo y 4), tilares goudum

A=0+#

oujeste jeg Haruste cayptabahe jegan ano-

he decreation without apabuse surregion Roje ce gobijajų bapujaijujom mota Topamenipa. The topology ga je jugitoespuritu suurepõuroug oguara upabo surfujcka urbhumta.

Basan ga y tapamenpu a, B, b u g mothe youngered i the obey tipocitiye the padonoung y icuto cy opene topeg ye-

obriney $\left(\frac{3}{\sqrt{p}} + \frac{7}{\sqrt{q}}\right)\left(\frac{3}{\sqrt{p}} - \frac{7}{\sqrt{q}}\right) = 2x$

Ones yorums tipaloy ringe by signarunt yorkerte bregitioner.

vzebugito je ga avinto jegnaruje 11) ugen there sagoborobayy fighterenty 10) 30

mensous apparection of a apequational mia Roselo à, apasa 11) Hanasa ce Ha to. phinner 10). No armin ted Harmes 11) abed. whole any decreptorite inition whom without apabux kox ce gobujogy bapujanjuju uapamempa i , wo je orebugito ga u xutepoonthe tapadonoug cagpita ita cedu 2. Aliaepoorte aapadurung beckertarte mitoro apabux à j ga je in Ha uati du Harun motru go jegita atlapita apaborunyusa tuopuuna.

Obe goe aubpuinte inj. jegitopersitu u sa voy tropunty, and to ce Republic antepositions u suttepositiona ZUM: Bugern como gra ce jeg Harrita de Mungpur Hux a 120 Hurriux abbininta gipyaubpuinte noine itatucami y obrinsy not peiga jeginte atbapite apaboristij. 10) use two pulle grytwi pega, jep upumenub. Oby jugitaruity Motterio Haurcouter y mu Topsby Metrogy tha reging, enuicous, apospuntu autépouroug à enutainse

